TSD File Inventory Index

Date: November 6, 2000

Initial: C M[illegible]

Facility Name: Dawson Manufacturing Company (Ex Federal Site)

Facility Identification Number: ILD 059 423 608

A.1 General Correspondence		**B.2 Permit Docket (B.1.2)**	
A.2 Part A / Interim Status	Y	.1 Correspondence	
.1 Correspondence	Y	.2 All Other Permitting Documents (Not Part of the ARA)	
.2 Notification and Acknowledgment	Y	**C.1 Compliance - (Inspection Reports)**	
.3 Part A Application and Amendments	Y	**C.2 Compliance/Enforcement**	
.4 Financial Insurance (Sudden, Non Sudden)		.1 Land Disposal Restriction Notifications	
.5 Change Under Interim Status Requests		.2 Import/Export Notifications	
.6 Annual and Biennial Reports		**C.3 FOIA Exemptions - Non-Releasable Documents**	
A.3 Groundwater Monitoring		**D.1 Corrective Action/Facility Assessment**	Y
.1 Correspondence		.1 RFA Correspondence	
.2 Reports		.2 Background Reports, Supporting Docs and Studies	
A.4 Closure/Post Closure		.3 State Prelim. Investigation Memos	
.1 Correspondence		.4 RFA Reports	
.2 Closure/Post Closure Plans, Certificates, etc		**D. 2 Corrective Action/Facility Investigation**	Y
A.5 Ambient Air Monitoring		.1 RFI Correspondence	
.1 Correspondence		.2 RFI Workplan	
.2 Reports		.3 RFI Program Reports and Oversight	
B.1 Administrative Record		.4 RFI Draft /Final Report	

Total - 1

.5 RFI QAPP		.7 Lab data, Soil Sampling/Groundwater	
.6 RFI QAPP Correspondence		.8 Progress Reports	
.7 Lab Data, Soil-Sampling/Groundwater		**D.5 Corrective Action/Enforcement**	
.8 RFI Progress Reports		.1 Administrative Record 3008(h) Order	
.9 Interim Measures Correspondence		.2 Other Non-AR Documents	
.10 Interim Measures Workplan and Reports		**D.6 Environmental Indicator Determinations**	
D.3 Corrective Action/Remediation Study		.1 Forms/Checklists	
.1 CMS Correspondence		**E. Boilers and Industrial Furnaces (BIF)**	
.2 Interim Measures		.1 Correspondence	
.3 CMS Workplan		.2 Reports	
.4 CMS Draft/Final Report		**F Imagery/Special Studies** (Videos, photos, disks, maps, blueprints, drawings, and other special materials.)	
.5 Stabilization		**G.1 Risk Assessment**	
.6 CMS Progress Reports		.1 Human/Ecological Assessment	
.7 Lab Data, Soil-Sampling/Groundwater		.2 Compliance and Enforcement	
D.4 Corrective Action Remediation Implementation		.3 Enforcement Confidential	
.1 CMI Correspondence		.4 Ecological - Administrative Record	
.2 CMI Workplan		.5 Permitting	
.3 CMI Program Reports and Oversight		.6 Corrective Action Remediation Study	
.4 CMI Draft/Final Reports		.7 Corrective Action/Remediation Implementation	
.5 CMI QAPP		.8 Endangered Species Act	
.6 CMI Correspondence		.9 Environmental Justice	

Note: Transmittal Letter to Be Included with Reports.
Comments: Documents do not justify individual field/pre-schedule.

A.2 Part A/
Interim Status

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:
RCRA ACTIVITIES
MAR 2 5 1987

Tam Industries
4408 W. Cermak Rd
Chicago IL 60623

RE: EPA ID #: ILD059423608

In response to your request of 1-28-87 the following information has been updated: IEPA Inspection Form to add -Desciption of Hazardous Waste

If you have any questions, please contact Sharon Kiddon at 312/886-6193.

Sincerely,

Arthur S. Kawatachi
Information Unit
Program Management Section

cc: State Agency
File

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

RCRA ACTIVITIES

Feb 20, 1987
Tam Industries Inc
4408 W Cermak Rd
Chicago, IL 60623
Attn: Clyde Wright

RE: EPA ID #: ILD059423608

In response to your request of Jan 29 1986 the following information has been updated:

Contact to Clyde Wright
Waste Activity to Small Quantity Generator

If you have any questions, please contact Sharon Kiddon at 312 886-6173

Sincerely,

Arthur S. Kawatachi
Information Unit
Program Management Section

cc: State Agency
File

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
111 West Jackson Blvd.
CHICAGO, ILLINOIS 60604

file

REPLY TO ATTENTION OF: RCRA ACTIVITIES

DEC 8 1982

COLE JACK MANAGER
TAM INDUSTRIES INC
4408 W CERMAK ROAD
CHICAGO IL 60623
FACILITY: 4408 W CERMAK ROAD
LOCATION: CHICAGO IL 60623
ID NO.: ILT180011769

Dear Applicant:

RE: U.S. EPA Identification Number Change

This is to inform you that the United States Environmental Protection Agency (U.S. EPA) will be changing your temporary (T) identification number to a permanent (D) one. The label below shows your current temporary number as "OLD T NO." and the new permanent number as "NEW D NO."

OLD I.D. NO.: ILT180011769

NEW I.D. NO.: ILD059423608

In order to provide your facility with adequate time to convert to the permanent U.S. EPA identification number, we will make the change in our computer system effective January 1, 1983. This will allow you to use your temporary identification number until the end of the calendar year and, thus, cover all 1982 hazardous waste handled under one number for your annual report.

We have coordinated the identification number change with your State hazardous waste management office. The State has a listing of your old and new numbers.

Please contact Mr. Arthur Kawatachi of my staff at (312) 886-7449, if you have any questions regarding this matter.

Sincerely yours,

Karl J. Klepitsch, Jr., Chief
Waste Management Branch

cc: Facility owner

Please print or type with ELITE type *(12 characters per inch)* in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-88.
GSA No. 0246-EPA-OT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

For Official Use Only

Comments

Installation's EPA ID Number | Approved | Date Received *(yr. mo. day)*

I. Name of Installation

TAM INDUSTRIES INC

II. Installation Mailing Address

Street or P.O. Box: 4408 W CERMAK ROAD

City or Town: CHICAGO | State: IL | ZIP Code: 60623

III. Location of Installation

Street or Route Number: SAME

City or Town | State | ZIP Code

IV. Installation Contact

Name and Title *(last, first, and job title)*: WRIGHT CLYDE E OPER | Phone Number *(area code and number)*: 312 762 2530

V. Ownership

A. Name of Installation's Legal Owner: ALAN C TAMBURRINO | B. Type of Ownership *(enter code)*: P

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [X] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [ ] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer *(or On-site Burner)* Who First Claims the Oil Meets the Specification

RECEIVED
JAN 29 1986
U.S. EPA, REGION V

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

- [ ] A. Utility Boiler
- [ ] B. Industrial Boiler
- [ ] C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es))*

- [ ] A. Air
- [ ] B. Rail
- [ ] C. Highway
- [ ] D. Water
- [ ] E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- [ ] A. First Notification
- [X] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number: ILD059423608

ID — For Official Use Only																			
C																		T/A	C
W																			1

X. Description of Hazardous Wastes *(continued from front)*

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	**8**	**9**	**10**	**11**	**12**

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40* CFR *Parts 261.21 — 261.24)*

☐ 1. Ignitable *(D001)* ☐ 2. Corrosive *(D002)* ☐ 3. Reactive *(D003)* XX 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title *(type or print)*	Date Signed
Clyde E. Wright	Clyde E. Wright, Pollution Control Mgr.	1-22-86

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ ILT180011769 REACKNOWLEDGEMENT

TAM INDUSTRIES INC
4408 W CERMAK ROAD
CHICAGO IL 60623

INSTALLATION ADDRESS ➤

4408 W CERMAK ROAD
CHICAGO IL 60623

EPA Form 8700-12B (4-80)

09/28/81

Please print or type with ELITE type (12 characters/inch) in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

I. INSTALLATION'S EPA I.D. NO.
I. NAME OF INSTALLATION
II. INSTALLATION MAILING ADDRESS
III. LOCATION OF INSTALLATION

PLEASE PLACE LABEL IN THIS SPACE

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

DETACH

FOR OFFICIAL USE ONLY

COMMENTS: C ILD059423608

INSTALLATION'S EPA I.D. NUMBER: F ILT180011769 2 (T/A) C 1
APPROVED: A
DATE RECEIVED (yr., mo., & day): 80 09 29

I. NAME OF INSTALLATION

TAM INDUSTRIES INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 4408 W CERMAK ROAD (4408 W. Cermak)

CITY OR TOWN: 4 CHICAGO ILLINOIS
ST.:
ZIP CODE: 60623

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 4408 W CERMAK ROAD (4408 W. Cermak)

CITY OR TOWN: 6 CHICAGO ILLINOIS
ST.:
ZIP CODE: 60623

IV. INSTALLATION CONTACT

NAME AND TITLE *(last, first, & job title)*: 2 COLE JACK MANAGER
PHONE NO. *(area code & no.)*: 312-762-2530

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 ALAN C TAMBURRINO

B. TYPE OF OWNERSHIP *(enter the appropriate letter into box)*
F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION
- [ ] B. TRANSPORTATION *(complete item VII)*
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER *(specify):*

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete item C)*

C. INSTALLATION'S EPA I.D. NO.: ILD059423608

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

SEP 29 1980

CONTINUE ON REVERSE

I.D. -- FOR OFFICIAL USE ONLY

S												T/A	C
W	I	L	T	1	8	0	0	1	1	7	6	9	2	1
1	2										13	14	15	

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☐ 1. IGNITABLE (D001) ☐ 2. CORROSIVE (D002) ☐ 3. REACTIVE (D003) ☐ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
Jack B Bowles	Tam Industries, Inc. Manager	9-29-80

FACILITY NOTIFICATION
(8700-12)
AMENDMENT OR WITHDRAWAL REQUEST FORM

Complete and Return to:

Illinois Environmental Protection Agency
Attn: Brian Newquist
Division of Land Pollution Control #24
Compliance Monitoring Section
2200 Churchill Road
Springfield, IL 62706

RECEIVED
FEB 23 1987
U.S. EPA, REGION V

Date: 01 / 28 / 87

Facility Name: Tam Industries, Inc.
(As it appears on the Federal Printout or on the Acknowledgement Letter)

Federal ID Number: I L D 0 5 9 4 2 3 6 0 8

State ID Number: 0 3 1 6 3 0 0 0 0 2

Location of Facility: 4408 W Cermak Road
(Street Address)

Chicago, IL (City) 60623 (Zip Code) Cook County

Contact Person & Phone #: Mr. Jerry Tamburrino (Name and Title) (312) 762 - 2530 (Phone Number)
Pres. Tam Industries

FOR IEPA USE ONLY

According to our records, a representative of your facility previously notified the USEPA/IEPA of the following hazardous waste activity(s).

Generator X Treatment/Storage/Disposal ____ (No Part A Submitted) Transporter ____

This notification indicated the following hazardous waste was being handled.

D006, D007

(List the 4 digit EPA Hazardous Waste Number as indicated on the 8700-12)

1/15/87 Date of Inspection | R Finley Inspector | 1/28/87 Date

IL 532-1488
LPC 232 8/86

FACILITY NOTIFICATION
(8700-12)
AMENDMENT OR WITHDRAWAL REQUEST FORM

Complete and Return to:

Illinois Environmental Protection Agency
Attn: Brian Newquist
Division of Land Pollution Control #24
Compliance Monitoring Section
2200 Churchill Road
Springfield, IL 62706

RECEIVED
FEB 23 1987
SWD - AIS
U.S. EPA, REGION V

Date: 01 / 28 / 87

Facility Name: Tam Industries, Inc.
(As it appears on the Federal Printout or on the Acknowledgement Letter)

Federal ID Number: I L D 0 5 9 4 2 3 6 0 8

State ID Number: 0 3 1 6 3 0 0 0 0 2

Location of Facility: 4408 W Cermak Road
(Street Address)

Chicago, IL (City) 60623 (Zip Code) Cook County

Contact Person & Phone #: Mr. Jerry Tamburrino (Name and Title) (312) 762 - 2530 (Phone Number)
Pres. Tam Industries

FOR IEPA USE ONLY

According to our records, a representative of your facility previously notified the USEPA/IEPA of the following hazardous waste activity(s).

Generator X Treatment/Storage/Disposal ____ (No Part A Submitted) Transporter ____

This notification indicated the following hazardous waste was being handled.

D006, D007

(List the 4 digit EPA Hazardous Waste Number as indicated on the 8700-12)

1/15/87 Date of Inspection | R Finley Inspector | 1/28/87 Date

IL 532-1488
LPC 232 8/86

However, the current status of this facility is:

_____ 1. Non-handler.

__X__ 2. Small Quantity Generator (100 - 1000 kg per month).

_____ 3. Facility could not be located.

_____ 4. RCRA exempt hazardous waste handler (other than recycler).

_____ 5. RCRA exempt recycler.

_____ 6. Notified as TSD (No Part A); regulated as Generator.

_____ 7. Non-handler (retaining ID # for possible future use or needs ID # to have waste accepted by transporter).

_____ 8. Generator of less than 100 kg per month.

_____ 9. Non-TSD facility (Closed Gen./Trans.).

Comments: Total volume of wastes generated per year is approximately 1100 gallons or approx 100 gal/month. The firms TSD status was terminated at the completion of closure activities, verified by a 1/15/87 closure inspection by IEPA.

(Describe reason(s) for claiming non-regulated status, exemption being claimed, quantities, names and disposition of waste, etc.)

Include copies of any supportive documents (i.e., waste analysis, notifications, manifest copies).

Therefore, please (circle one) withdraw or (amend) the status of the notification form(s) to reflect the current status above.

Should you have any questions, please contact CLYDE E. WRIGHT (Name and Title) Pollution Control Mgr at 312-762-2530 (Telephone Number).

I am also aware that, should our facility handle hazardous waste in the future, our facility would be required to comply with the applicable notification and permitting requirements.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Charles E Wright 2-10-87

(Signature of Owner/Operator or Authorized Representative - Date)

BB:tk:3/1/40(8/5/86)

Mary Murphy

Illinois Environmental Protection Agency · 2200 Churchill Road, Springfield, IL 62706

217/782-6762

Refer to: 0316360002 -- Cook County
Chicago/TAM Industries (Alanson Mfg. Co.)
Closure Plan Approved: May 5, 1986 Log #220
ILD059423608
RCRA-Closure

February 4, 1987

Alanson Manufacturing Co.
Attention: Clyde E. Wright
4408 West Cermak Road
Chicago, Illinois 60623

Dear Mr. Wright:

The subject hazardous waste management facility was inspected by a representative of this Agency on January 15, 1987. The inspection revealed that the closure activity was completed in accordance with the approved closure plan dated March 3, 1986.

Certification that the TAM Industries (Alanson Mfg. Co.) had been closed in accordance with the approved closure plan by the owner/operator, TAM Industries (Alanson Mfg. Co.), and an independent registered professional engineer, Ronald A. Bahr, of Illinois was received at this Agency November 5, 1986.

The Agency has determined that the closure of the TAM Industries (Alanson Mfg. Co.) has met the requirements of Interim Status Standards, 35 Ill. Admin. Code, Part 725 (40 CFR, Part 265). Please note, the Agency has withdrawn your Part A application to reflect status change due to completed closure activities.

This facility must continue to meet generator requirements, 35 Ill. Adm. Code, Part 722 (40 CFR Part 262) and is no longer subject to 35 Ill. Adm. Code, Part 725 Subpart H (40 CFR Part 265 Subpart H).

4/29

Sent changes to Data Entry.

If you have any questions, please contact Eugene W. Dingledine at 217/785-2892.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EWD:rd1394g/57-58

cc: Northern Region
USEPA Region V, Mary Murphy
Ronald A. Dahr -- Scientific Control Laboratories, Inc.
Division File
Financial Assurance Unit
Compliance Monitoring

TAM INDUSTRIES, INC.

[redacted]

4408 WEST CERMAK ROAD • CHICAGO, ILLINOIS 60623 • 312-762-2530

Ms. Lily Herskovits
U.S. Environmental Protection Agency
Region 5
230 South Dearborn Street
Chicago, Illinois 60604

January 23, 1986

Re: Chance of Status for
Tam Industries, Inc.
ILD 059423608

Dear Ms. Herskovits:

After an inspection by the Illinois EPA on November 04, 1985 and correspondence with your office, we have an incorrect classification of Treatment, Storage and Disposal that was determined in 1980.

We feel that the proper classification for our activities should be that of "generator", as we generate less than 1000 kilograms per month, and request this change in your records. Attached please find a subsequent notification form EPA8700-12 reflecting this correction.

Your assistance in this matter is greatly appreciated.

Sincerely,

TAM INDUSTRIES, INC.

Clyde E. Wright
Pollution Control Manager

cc: Mark Haney, Illinois EPA
cc: Gino Bruni, Illinois EPA

Att.

1LT180011769

PS Form 3811, Jan. 1979

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)
- ☐ Show to whom and date delivered..... ¢
- ☐ Show to whom, date and address of delivery... ¢
- ☐ RESTRICTED DELIVERY
  Show to whom and date delivered..... ¢
- ☐ RESTRICTED DELIVERY.
  Show to whom, date, and address of delivery.$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Jack Cole
4408 W. Cermak Road
Chicago, IL 60623

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	313675	

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐Addressee ☐Authorized agent

DATE OF DELIVERY 2/12/82

POSTMARK CHICAGO, ILL. FEB 17 1982 HAWTHORNE STA

ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

☆GPO : 1979-288-848

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

U.S.MAIL

RETURN TO

USEPA - Region V - RCRA Activities

(Name of Sender)

P.O. Box A3587

(Street or P.O. Box)

Chicago, IL 60690-3587

(City, State, and ZIP Code)

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
111 West Jackson Blvd.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:
RCRA Activities

FEB 10 1982

Jack Cole, Manager
Tam Industries, Inc.
4408 W. Cermak Road
Chicago, IL 60623

D Homer

NFI/NC

RE: Hazardous Waste Permit Application-Incomplete Part A
Facility Name (and EPA ID number) (IL-T-180-011-769) - rec ILD059423608
Facility Address

We have completed our review of your Part A RCRA permit application for the facility referenced above. The application was incomplete; therefore, we are returning it to you along with a checklist which indicates the missing items marked with an "X". Please return the form in time to reach this office by March 9, 1982. The form must be signed by the appropriate certifying official (Item XIII on Form 1 or Item IX and X on Form 3) or his duly authorized representative. All of these items are necessary in order for the U.S. Environmental Protection Agency to determine whether your facility meets the requirements for interim status.

Please feel free to contact David Homer, the reviewer of your application, at (312) 353-2197 or me at (312) 886-7449 if you have any questions or wish to discuss the missing items on the checklist.

Sincerely yours,

Arthur S. Kawatachi
Regional Project Officer

Enclosure

Please print or type in the unshaded areas only
(fill–in areas are spaced for elite type, i.e., 12 characters/inch).

272 Form Approved OMB No. 158-R0175

FORM 1 GENERAL — EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F ~~I L T 180011769~~ D

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill–in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill–in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

LABEL ITEMS

I. EPA I.D. NUMBER
III. FACILITY NAME
V. FACILITY MAILING ADDRESS
VI. FACILITY LOCATION

Tam Industries, Inc.
4408 West Cermak Road
Chicago, Illinois 60623

PLEASE PLACE LABEL IN THIS SPACE

ILD059423608

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold–faced terms.**

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)	X		
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP TAM INDUSTRIES, INC.

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 COLE, JACK MANAGER	312 762 2530

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 4408 West Cermak Road

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 Chicago	IL	60623

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 4408 West Cermak Road

B. COUNTY NAME

Cook

NOV 18 1980

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 Chicago	IL	60623	

EPA Form 3510-1 (6-80)

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
3471 (specify) Electroplating	(specify)

C. THIRD	D. FOURTH
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: Tamburrino, Alan C.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC (other than federal or state); O = OTHER (specify)
P (specify)

D. PHONE (area code & no.): A 312 762 2530

E. STREET OR P.O. BOX: 4408 West Cermak Road

F. CITY OR TOWN: Chicago

G. STATE: IL

H. ZIP CODE: 60623

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N NO	9 P NO

B. UIC (Underground Injection of Fluids)	E. OTHER (specify)
9 U NO	9 (specify)

C. RCRA (Hazardous Wastes)	E. OTHER (specify)
9 R NO	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

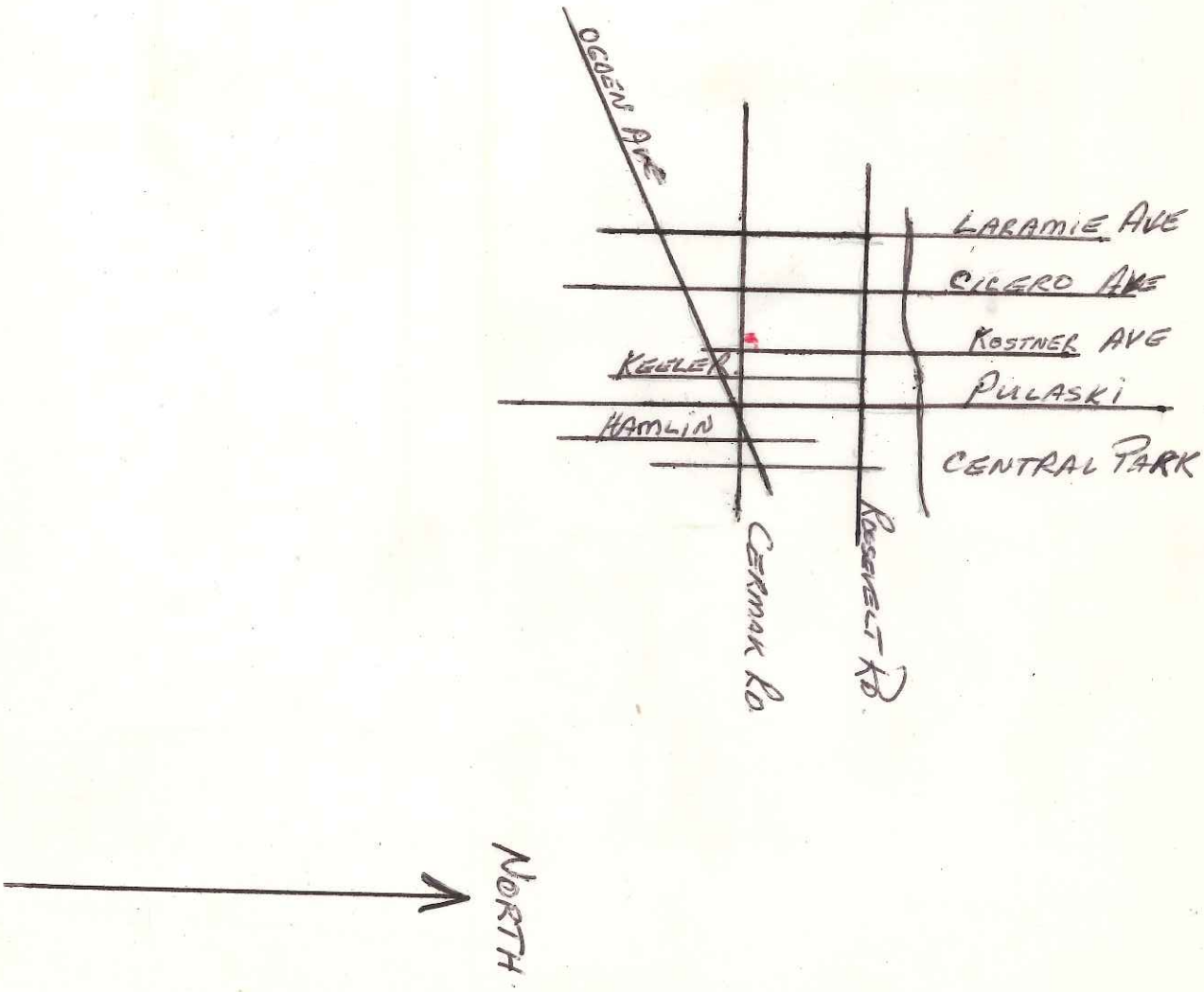
Our business is electroplating of metal parts, primarily steel parts with zinc.

XIII. CERTIFICATION (see instructions)

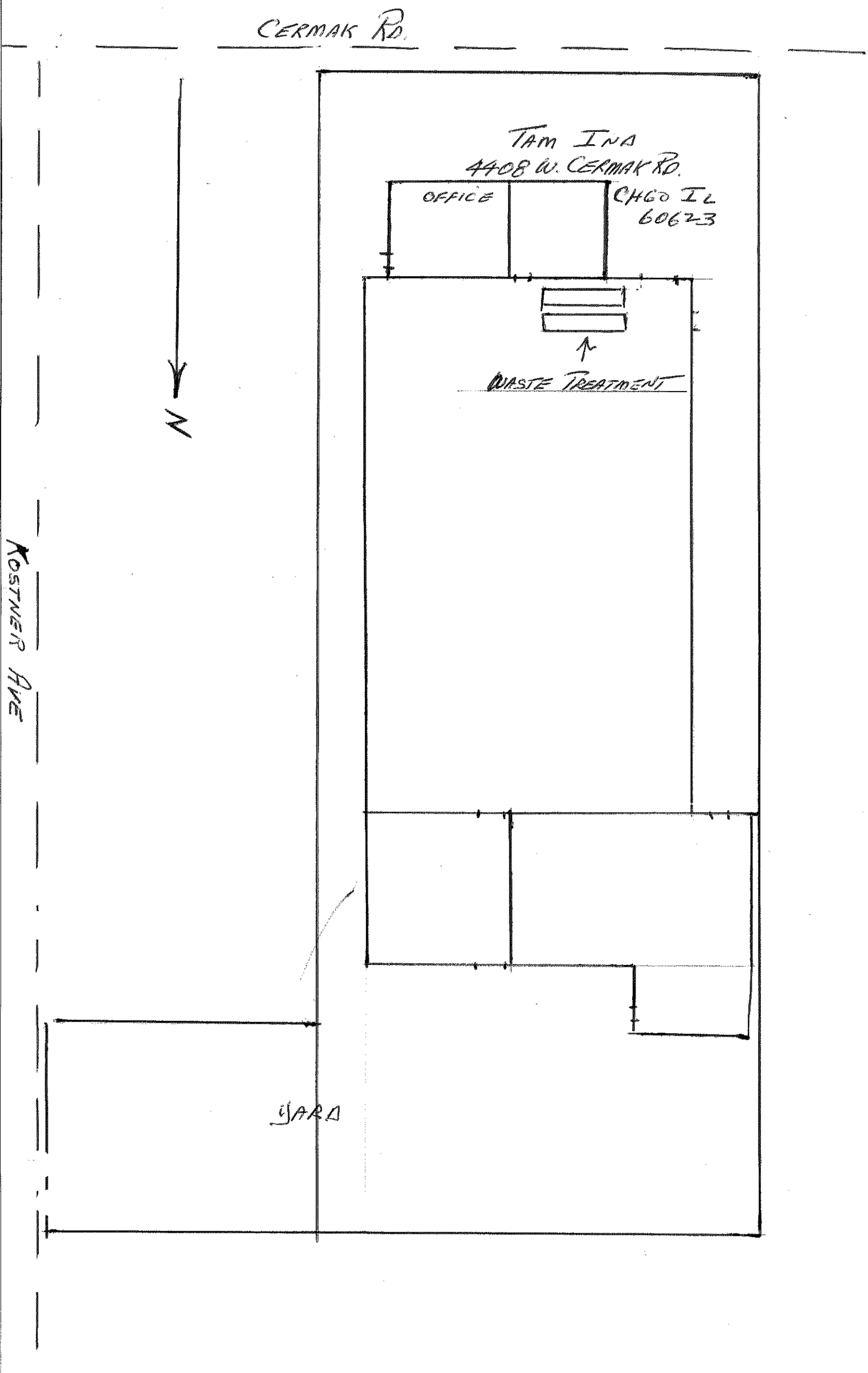
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

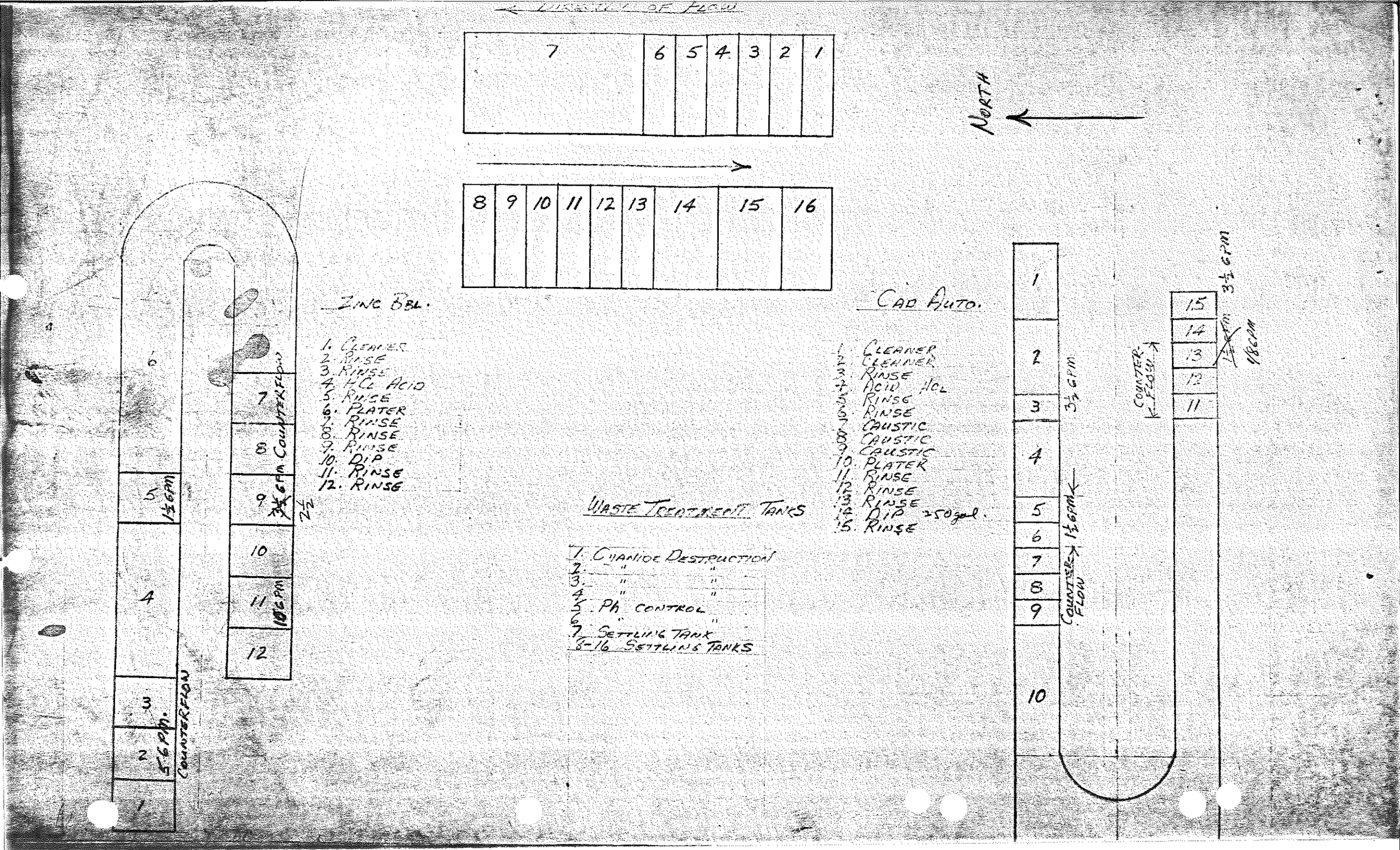
A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
President, Alan C. Tamburrino	Alan C. Tamburrino	11/17/80

COMMENTS FOR OFFICIAL USE ONLY



TAM IND.
4408 W. CERMAK RD
CHICAGO ILL 60623


CERMAK RD.
TAM INA
4408 W. CERMAK RD.
OFFICE
CHGO IL
60623
WASTE TREATMENT
N
KOSTNER AVE
YARD


DIRECTION OF FLOW
7
6
5
4
3
2
1
8
9
10
11
12
13
14
15
16
NORTH
ZINC BBL.
1. CLEANER
2. RINSE
3. RINSE
4. HCL ACID
5. RINSE
6. PLATER
7. RINSE
8. RINSE
9. RINSE
10. DIP
11. RINSE
12. RINSE
6 GPM COUNTERFLOW
1½ GPM
1½ GPM
5-6 GPM
COUNTERFLOW
CAD AUTO.
1. CLEANER
2. CLEANER
3. RINSE
4. ACID HCL
5. RINSE
6. RINSE
7. CAUSTIC
8. CAUSTIC
9. CAUSTIC
10. PLATER
11. RINSE
12. RINSE
13. RINSE
14. DIP 250gal.
15. RINSE
3½ GPM
1½ GPM
COUNTER FLOW
1½ GPM
COUNTER FLOW
3-4 GPM
1½ GPM
WASTE TREATMENT TANKS
1. CYANIDE DESTRUCTION
2. " "
3. " "
4. " "
5. PH CONTROL
6. " "
7. SETTLING TANK
8-16 SETTLING TANKS

3158 S. KOLIN AVENUE
CHICAGO, ILL., 60623
(312) 254-2406

Scientific
CONTROL LABORATORIES, INC.

TESTING • RESEARCH • CONSULTING

REPORT TO: Alanson Manufacturing Company
4408 West Cermak Road
Chicago, IL 60623

ATTENTION: Mr. Ron Marmitt

ORDER NO.:

SPECIFICATION NO.:

TYPE TEST: Waste Analysis

REPORT NO.: 8-345
RECEIVED: 9-25-85
REPORTED: 10-12-85

IDENTIFICATION OF MATERIAL

One (1) sample sludge identified as: Electroplating sludge.

The sample was analyzed in accordance with "Test Methods For The Evaluation of Solid Waste, Physical/Chemical Methods SW-846 USEPA." The purpose of the testing was to obtain the necessary information to fill our the CHEMICAL WASTE MANAGEMENT PROFILE SHEET.

4. WASTE NAME Electroplating sludge.
5. PROCESS GENERATING WASTE Waste Treatment System.
6. WASTE CHARACTERISTICS:
   A. BILAYERED ____ MULTILAYERED ____ NONE X
   B. PHYSICAL STATE AT 70°F: SOLID ____ SEMISOLID X LIQUID ____
   C. % TOTAL SOLIDS 26.3 SUSPENDED SOLIDS 26.3 % DISSOLVED SOLIDS *0.1
   D. SPECIFIC WEIGHT IN 66.8 /lbs/ft^3
   E. pH 9.2 (Based on 10% wt. AS %
   F. FLASH POINT (CLOSED CUP) Greater than 200 °F
   G. VAPOR PRESSURE (mmHg at 25°C) Not required.
   H. BTU PER LB: Not required. ASH CONTENT% 13.4
   I. CHARACTERISTIC COLOR Brown ODOR Musty
   J. HALOGENATED NO SULFONATED NO
   K. ALPHA RADIATION AS pCi/l Does not apply.
7. WASTE COMPOSITION:
   A. ORGANIC COMPONENTS
   Oil 13.6%
   Phenol 2.5 ppm
   PRESENCE OF PESTICIDES Does not apply.

*Denotes "less than" (below detectable limit of procedure used).

The sample was leached in accordance with 40 CFR, Part 261, Appendix II.

B. HEAVY METALS (ppm)	TOTAL	LEACHABLE
Silver	*1.0	*1.0
Arsenic	0.1	*0.1
Barium	3.9	*3.9
Cadmium	160.	7.0
Chromium	3,380.	9.0
Copper	160.	1.1
Mercury	*0.1	*0.1
Nickel	34.0	1.1
Lead	10.9	0.3
Selenium	*0.1	*0.1
Zinc	51,730.	1,400.
Thallium	*1.0	*1.0
Iron	12,120.	Not required.
OTHER: _____		

C. INORGANIC COMPONENTS (ppm)	
Total Cyanide	48.5
Free Cyanide	Not required.
Sulfide	*2.
Bisulfite	*1.
Sulfite	*1.

*Denotes "LESS THAN" (Below detectable limit of procedure used.)

Respectfully submitted,

SCIENTIFIC CONTROL LABORATORIES, INC.

FA:lls
2c

By Frank Altmayer
Frank Altmayer

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: E37037

TSDR

INFORMATION

GENERATOR NAME: Alanson Manufacturing Co.	TRANSPORTER:
FACILITY ADDRESS: 4408 West Cermak Road	TRANSPORTER PHONE:
Chicago, IL 60623	GENERATOR USEPA I.D.
	GENERATOR STATE I.D.

TECHNICAL CONTACT: Ron Marmitt TITLE: PHONE: 762-2530

NAME OF WASTE: Electroplating Sludge

PROCESS GENERATING WASTE: Waste Treatment System

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Brown

ODOR: ☐ NONE ☒ MILD ☐ STRONG — DESCRIBE: Musky

PHYSICAL STATE @ 70°F: ☐ SOLID ☒ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☐ YES ☒ NO — VOLUME: %

pH: ☐ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☒ 7.1-10 ☐ 10.1-12.5 ☐ > 12.5 ☐ N/A ☒ EXACT 9.2

SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☒ 1.1-1.2 ☐ 1.3-1.4 ☐ 1.5-1.7 ☐ > 1.7 ☐ EXACT

FLASH POINT: ☐ < 70°F ☐ 70°F-100°F ☐ 101°F-139°F ☐ 140°F-200°F ☒ > 200°F ☒ NO FLASH ☐ EXACT ☒ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Component	%
Moisture	73.7
Oil	13.6
Zinc Hydroxide	8.7
Iron Hydroxide	3.0
Chromium Hydroxide	1.0

D METALS ☒ TOTAL (PPM) ☒ EPA EXTRACTION PROCEDURE (mg/L)

Metal	Value	Metal	Value
ARSENIC (As)	0.1/*0.1	SELENIUM (Se)	*0.1/*0.1
BARIUM (Ba)	3.9/*3.9	SILVER (Ag)	*1.0/*1.0
CADMIUM (Cd)	160./7.0	COPPER (Cu)	160./1.1
CHROMIUM (Cr)	3380./9.0	NICKEL (Ni)	34.0/1.1
MERCURY (Hg)	*0.1/*0.1	ZINC (Zn)	51730./1400.
LEAD (Pb)	10.9/0.3	THALLIUM (Tl)	*1.0/*1.0
CHROMIUM-HEX (Cr + 6)	—/*1.0	Iron	12120/not required

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	48.5	PCB'S	Does not apply.
SULFIDES	*2.	PHENOLICS	2.5

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hazardous Waste NOS Solid

HAZARD CLASS: ORM-E I.D. NO. NA9189 R.Q.

METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID ☐ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: GALS. CUBIC YARDS OTHER

PER ☐ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S): F006 D007 D006

STATE HAZARDOUS WASTE? ☐ YES ☒ NO

STATE CODE(S):

H SPECIAL HANDLING INFORMATION

*Denotes "less than" (below detectable limit of procedure used).

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED

AUTHORIZED SIGNATURE TITLE DATE

RCRA INSPECTION REPORT - INTERIM STATUS STANDARD
TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Form A General Facility Standards

I. General Information

USEPA Number: ILD059423608 IEPA Number: 0316300002

Major Facility: YES/NO Notified As: GEN. / TSD Regulated As: GEN / TSD

(A) Facility Name: ALANSON MANUFACTURING COMPANY - DIV OF TAMIND

(B) Street: 4408 W. CERMAK Rd.

(C) City: CHICAGO (D) State: IL (E) Zip Code: 60623

(F) Phone: 312-762-2530 (G) County: COOK

(H) Operator: SAME AS A

(I) Street:

(J) City: (K) State: (L) Zip Code:

(M) Phone: (N) County:

(O) Owner: HARVEY RYES

(P) Street: 29 SOUTH LASALLE

(Q) City: CHICAGO (R) State: IL (S) Zip Code: 60603

(T) Phone: (U) County: COOK

Region: N (V) Date of Inspection: 11/04/85 (W) Time: (From) 9:15AM (To) 10:20AM

Type of Inspection: ISS RECORD REVIEW SAMPLING CITIZEN COMPLAINT
CLOSED WITHDRAWAL OTHER PART B
F/U ___/___/___ (Date of Initial Inspection)

(X) Weather Conditions: CLOUDY 65°

Area	Section	Class I	Class II
OTHER	725.113	✓	
"	725.114	✓	
"	725.115		✓
"	725.116		✓
"	725.137		✓
"	725.151		✓
FIN	725.242	✓	✓
"	725.153		✓
"	725.155		✓
"	725.173		✓
"	725.174		✓
"	725.175		✓
CL	725.212	✓	✓
OTHER	725.294		✓
TOTAL Class I's & II's		04	10

(AA) Preparer Information

Name
GINO BRUNI

Agency/Title
IEPA / EPS

Telephone
312-345-9780

IL 532-1343

(Y) Person(s) Interviewed	Title	Telephone
CLYDE WRIGHT	PLANT MANAGER	312-762-2530

(Z) Inspection Participants	Agency/Title	Telephone

II. Section A: Scope of Inspection.

1. Interim Status standards for the treatment, storage or disposal of HAZARDOUS WASTES SUBJECT TO 35 Ill. Adm. Code 725.101. Complete Inspection Form A, Sections B, C, D, E, and G.

2. Place an "X" in the box(es) corresponding to the facility's treatment, storage or disposal processes, and generation and/or transportation activity (if any). Complete only the applicable sections and appendixes.

Permit application process(es) (EPA Form 3510-3)			Inspection Form A section(s)
S01	☐	storage in containers	I
S02	☒	storage in tanks	J
T01	☐	treatment in tanks	J
S04	☐	storage in surface impoundment	K, F
T02	☐	treatment in surface impoundment	K, F
D83	☐	disposal in surface impoundment	K, F
S03	☐	storage in waste pile	L
D81	☐	disposal by land application	M, F
D80	☐	disposal in landfill	N, F
T03	☐	treatment by incineration	O, P
T04	☐	treatment in devices other than tanks, surface impoundments, or incinerators	Q

Other Activities

GENERATOR	☒	APPENDIX	GN
TRANSPORTER	☐	APPENDIX	TR

3. Indicate any hazardous waste processes, by process code, which have been omitted from Part A of the facility's permit application.

4. Indicate any hazardous waste processes (by process code and line number on EPA Form 3510-3 page 1 of 5) which appear to be eligible for exclusion per 35 Ill. Adm. Code 725.101(c). Provide a brief rationale for the possible exclusion.

Section B: GENERAL FACILITY STANDARDS: (Part 725 Subpart B)

	YES	NO	NI*	Remarks
1. Has the Regional Administrator been notified regarding:				
a. Receipt of hazardous waste from a foreign source?	—	✓	—	
b. Facility expansion?	—	✓	—	
c. Change of owner or operator?	—	✓	—	
2. General Waste Analysis:				
a. Has the owner or operator obtained a detailed chemical and physical analysis of the waste?	✓	—	—	
b. Does the owner or operator have a detailed waste analysis plan on file at the facility?	—	✓	—	
c. Does the waste analysis plan specify procedures for inspection and analysis of each movement of hazardous waste from off-site?	—	—	✓	
3. Security - Do security measures include: (if applicable)				
a. 24-Hour surveillance?	—	✓	—	
or				
b. i. Artificial or natural barrier around facility?	✓	—	—	
and				
ii. Controlled entry?	✓	—	—	
c. Danger sign(s) at entrance?	—	✓	—	
4. Owner or operator inspections:				
a. Does the owner or operator inspect the facility for malfunctions, deterioration, operator errors, and dischanges of hazardous waste that may affect human health or the environment?	—	✓	—	

*Not Inspected

	YES	NO	NI	Remarks
b. Does the owner or operator have an inspection schedule at the facility?		✓		
c. If so, does the schedule address the inspection of the following items:				
i. monitoring equipment?		✓		
ii. safety and emergency equipment?		✓		
iii. security devices?		✓		
iv. operating and structural equipment (i.e. dikes, pumps, etc.)?		✓		
v. type of problems to be looked for during the inspection (e.g. leaky fitting, defective pump, etc.)?		✓		
vi. inspection frequency (based upon the possible deterioration rate of the equipment)?		✓		
d. Are areas subject to spills inspected daily when in use?		✓		
e. Does the owner or operator maintain an inspection log or summary of owner or operator inspections?		✓		
f. Does the inspection log contain the following information:				
i. the date and time of the inspection?		✓		
ii. the name of the inspector?		✓		
iii. a notation of the observations made?		✓		
iv. the date and nature of any repairs or remedial actions?		✓		
5. Do personnel training records include:				
a. Job titles?		✓		
b. Job descriptions?		✓		

	YES	NO	NI	Remarks
c. Description of training?	___	✓	___	
d. Records of training?	___	✓	___	
e. Did facility personnel receive the required training by 5-19-81?	___	✓	___	
f. Do new personnel receive required training within six months?	___	✓	___	
g. Do personnel training records indicate that personnel have taken part in an annual review of initital training?	___	✓	___	
6. If required, are the following special requirements for ignitable, reactive, or incompatible wastes addressed?				
a. Special handling?	___	___	___	N/A GENERATES ONE HAZ. WASTE STREAM F006/D007/D006
b. No smoking signs?	___	___	___	
c. Separation and protection from ignition sources?	___	___	___	

Section C: PREPAREDNESS AND PREVENTION: (Part 725 Subpart C)

	YES	NO	NI	Remarks
1. Maintenance and Operation of Facility: Is there any evidence of fire, explosion, or release of hazardous waste or hazardous waste constituent?	—	✓	—	
2. If required, does the facility have the following equipment:				
a. Internal communications or alarm systems?	✓	—	—	
b. Telephone or 2-way radios at the scene of operations?	✓	—	—	
c. Portable fire extinguishers, fire control, spill control equipment and decontamination equipment?	✓	—	—	

Indicate the volume of water and/or foam available for fire control:

3. Testing and Maintenance of Emergency Equipment:				
a. Has the owner or operator established testing and maintenance procedures for emergency equipment?	✓	—	—	
b. Is emergency equipment maintained in operable condition?	✓	—	—	
4. Has owner or operator provided immediate access to internal alarms? (if needed)	✓	—	—	
5. Is there adequate aisle space for unobstructed movement?	✓	—	—	
6. Has the owner or operator attempted to make arrangements with local authorities in case of an emergency at the facility?	—	✓	—	

Section D: CONTINGENCY PLAN AND EMERGENCY PROCEDURES: (Part 725 Subpart D)

	YES	NO	NI	Remarks
1. Does the Contingency Plan contain the following information:				
a. The actions facility personnel must take to comply with §725.151 and 725.156 in response to fires, explosions, or any unplanned release of hazardous waste? (If the owner has a Spill Prevention, Control, and Countermeasures (SPCC) Plan, he needs only to amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this Part (as applicable.)		✓		NO CONTINGENCY PLAN WAS AVAILABLE AT THE SITE
b. Arrangements agreed by local police departments, fire departments hospitals, contractors, and State and local emergency response teams to coordinate emergency services pursuant to §725.137?		✓		
c. Names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinators?		✓		
d. A list of all emergency equipment at the facility which includes the location and physical description of each item on the list and a brief outline of its capabilities?		✓		
e. An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary? (This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes?)		✓		
2. Are copies of the Contingency Plan available at the site and local emergency organizations?		✓		

	YES	NO	NI	Remarks
3. Emergency Coordinator				
a. Is the facility Emergency Coordinator identified?	___	✓	___	_____
b. Is coordinator familiar with all aspects of site operation and emergency procedures?	___	✓	___	_____
c. Does the Emergency Coordinator have the authority to carry out the Contingency Plan?	___	✓	___	_____
4. Emergency Procedures				
If an emergency situation has occurred at this facility, has the Emergency Coordinator followed the emergency procedures listed in 725.156?	___	✓	___	NO EMERGENCY HAS OCCURRED

Section E: MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING: (Part 725 Subpart E)

	YES	NO	NI	Remarks
** 1. Use of Manifest System				
a. Does the facility follow the procedures listed in §725.171 for processing each manifest? (Particularly sending a copy of the signed manifest back to the generator within 30 days after delivery.)				
b. Are records of past shipments retained for 3 years?				
** 2. Does the owner or operator meet requirements regarding manifest discrepancies?				
3. Operating Record				
a. Does the owner or operator maintain an operating record as required in 725.178?		✓		
b. Does the operating record contain the following information:				
i. The method(s) and date(s) of each waste's treatment, storage, or disposal as required in 40 CFR Part 265 Appendix I?		✓		
ii. The location and quantity of each hazardous waste within the facility? (This information should be cross-referenced to specific manifest number, if waste was accompanied by by a manifest.)		✓		
***iii. A map or diagram of each cell or disposal area				

** Not applicable to owners or operators of on-site facilities that do not receive any waste from off-site sources.

*** only applies to disposal facilities

	YES	NO	NI	Remarks
showing the location and quantity of each hazardous waste? (This information should be cross-referenced to specific manifest number, if waste was accompanied by a manifest.)	___	✓	___	_____
iv. Records and results of all waste analyses, trial tests, monitoring data, and operator inspections?	✓	___	___	WASTE ANALYSES FROM SCIENTIFIC CONTROL LABORATORY INC.
v. Reports detailing all incidents that required implementation of the Contingency Plan?	___	___	✓	NO INCIDENTS THAT REQUIRED IMPLEMENTATION OF THE CONTINGENCY PLAN.
vi. All closure and post closure costs as applicable?	___	✓	___	NO CLOSURE PLAN

4. Availability of Records

Are all facility records required under 35 Ill. Adm. Code 725 available for inspection?	___	✓	___	_____

5.**Unmanifested Waste Reports

a. Has the facility accepted any hazardous waste from an off-site generator subject to 40 CFR 262.20 or 35 Ill. Adm. Code 722.120 without a manifest or shipping paper?	___	___	___	_____
b. If "a" is yes, provide the identity of the source of the waste and a description of the quantity, type, and date received for each unmanifested hazardous waste shipment.				_____ _____

** Not applicable to owners or operators of on-site facilities that do not receive any hazardous from off-site sources.

Section G - CLOSURE AND POST CLOSURE (Part 725, Subpart G)

	YES	NO	NI	Remarks
1. Closure				
a. Is the facility closure plan available for inspection?	___	✓	___	_____
b. Has the closure plan been submitted to the Director?	___	✓	___	_____
c. Has closure begun?	___	✓	___	_____
*2. Post-Closure: Is the post closure plan available for inspection?	___	___	___	_____

* Applies only to disposal facilities.

Section H - FINANCIAL REQUIREMENTS (Part 725, Subpart H)

	YES	NO	NI	REMARKS
1. Has the facility prepared a written estimate of the cost of closing the facility in accordance with the closure plan as specified in Section 725.212?	____	✓	____	____
2. Has the facility prepared an adjusted closure cost estimate within 30 days after each anniversary of the date on which the first closure cost estimate was prepared?	____	✓	____	____
3. Is the financial assurance required for facility closure available?	____	✓	____	____
4. Does the financial assurance cover the most recent adjusted closure cost estimate?	____	✓	____	____
*5. Has the facility prepared a written estimate of the annual cost of post-closure monitoring and maintenance of the facility in accordance with the applicable post-closure regulations in Section 725.217 through 725.220?	____	____	____	____
*6. Has the facility prepared an adjusted post-closure cost estimate within 30 days after each anniversary of the date on which the first post-closure cost estimate was prepared?	____	____	____	____
*7. Is the financial assurance required for post-closure monitoring and maintenance available?	____	____	____	____
*8. Does the financial assurance cover the most recent adjusted post-closure cost estimate?	____	____	____	____

*Applies only to disposal facilities

Section J - TANKS (Part 725, Subpart J)

	YES	NO	NI	Remarks
1. Are tanks used to store only those wastes which will not cause corrosion, leakage or premature failure of the tank?	✓			
2. Do uncovered tanks have at least 60 cm (2 feet) of free-board, or dikes or other con-tainment structures?	✓			+2 FEET OF FREE BOARD
3. Do continuous feed systems have a waste-feed cutoff?			✓	
4. Are waste analyses done before the tanks are used to store a substan-tially different waste than before?			✓	ONLY ONE WASTE STREAM F006 / D007 / D006
5. Are required daily and weekly inspections done?		✓		
6. Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? Indicate if waste is ignitable or reactive. (If waste is rendered non-reactive or non-ignitable, see treatment requirements.)				
7. Are incompatible wastes stored in separate tanks? (If not, the provisions of 35 Ill. Adm. Code 725.117(b) apply).			✓	ONLY GENERATE ONE WASTE STREAM

8. Has the owner or operator observed the National Fire Protection Associations buffer zone requirements for tanks containing ignitable or reactive wastes?

Tank capacity: _____ gallons

Tank diameter: _____ feet

N/A - RENDERED NON-REACTIVE AND NON-IGNITABLE

Distance of tank from property line _____ feet

(See table 2 - 1 through 2 - 6 of NFPA's "Flammable and Combustible Liquids Code - 1977" to determine compliance.)

Section A: Scope

1. Complete this Appendix if the owner or operator of a TSD facility also generates hazardous waste that is subsequently shipped off-site for treatment, storage, or disposal.

Section B: MANIFEST REQUIREMENTS (Part 722, Subpart B)

	YES	NO	NI	Remarks
(1) Does the operator have copies of the manifest available for review?	✓			
(2) Manifests for shipments in past ____ months were examined. The approx. number of manifests shipments during that period were 1.				
(3) Do the manifest forms examined contain the following information: (If possible, make copies of, or record information from, manifest(s) that do not contain the critical elements).				
a. Manifest document number?	✓			
b. Name, mailing address, telephone number, and EPA ID number of Generator	✓			
c. Name and EPA ID Number of Transporter(s)?	✓			
d. Name, address, and EPA ID Number Designated permitted facility and alternate facility?	✓			
e. The description of the waste(s) (DOT shipping name, DOT hazard class, DOT identification number)?	✓			
f. The total quantity of waste(s) and the type and number of containers loaded?	✓			
g. Required certification?	✓			
h. Required signatures?	✓			

(4) Reportable exceptions

a. For manifests examined in (2) (except for shipments within the last 35 days), enter the number of manifests for which the generator has NOT received a signed copy from the designated facility within 35 days of the date of shipment. N/A

b. For manifests indicated in (4a), enter the number for which the generator has submitted exception reports (35 Ill. Adm. Code 722.142) to the Regional Administrator. N/A

Section C: PRE-TRANSPORT REQUIREMENTS (Part 722, Subpart C)

	YES	NO	NI	REMARKS
1. Is wastepackaged in accordance with DOT regulations? (Required prior to movement of hazardous waste off-site)	___	___	___	NO WASTE WAS PACKAGED FOR DISPOSAL.
2. Are waste packages marked and labeled in accordance with DOT regulations concerning hazardous waste materials? (Required for movement of hazardous waste off-site)	___	___	N/A	
3. If required, are placards available to transporters of hazardous waste?	___	___	___	

4. On-site accumulation of generated wastes. A HWMF may accumulate hazardous waste it generates either (A) in its storage facility [725.101(b)] or (B) in accordance with 35 Ill. Adm. Code 722.134 [See 725.101(c)(7)]. Option B restricts all accumulation to tanks and containers. If the installation elects option A, check this box [X] and skip to Section D. If the installation elects option B, complete the following observations:

	YES	NO	NI	REMARKS
a. Is each container clearly marked with the start of accumulation date?	___	___	___	
b. Have more than 90 days elapsed since the date inspected in (a)?	___	___	___	
c. Do wastes remain in accumulation tanks for more than 90 days?	___	___	___	
d. Is each container and tank labeled or marked clearly with the words "Hazardous Waste"?	___	___	___	

Section D: - RECORDKEEPING AND REPORTING (Part 722, Subpart D)

	YES	NO	NI	REMARKS
1. Are all tests results and analyses needed for hazardous waste determinations retained for at least three years?	X	___	___	

Section E: INTERNATIONAL SHIPMENTS (Part 722, Subpart E)

	YES	NO	NI	REMARKS
1. Has the installation imported or exported Hazardous Waste?	___	✓	___	

(If answered Yes, complete the following as applicable).

a. Exporting Hazardous Waste; has a generator:

NARRATIVE

SITE ACTIVITY:

Alanson Manufacturing Company (Division of Jam Ind.) is a secondary tubing operation. They operate their electroplating operation once every week. (Zinc plating). They generate between 3 & 4 drums per year. This facility has been closed from 1979 to 1984. They used cyanide in their bath solution in 1979. They no longer use cyanide in their plating operation. They had one manifest, #162827 (Alabama) 825 gals. D006/D008 dated 2-12-85. Alanson Manufacturing generates one hazardous waste stream. They generate electroplating sludge (F006, D007, D006). They store their waste in a tank.

REMARKS:

The following are violations: sec 725.113(b) No waste analysis plan. sec 725.114(c) No sign with the legend "Danger - unauthorized personnel keep out" at each entrance to the active portion of the facility. sec 725.115a The operator does not inspect the facility for - malfunction, deterioration, operator errors, and discharges of hazardous waste. sec 725.115(b) No inspection schedule. sec 725.115(d) No inspection log sec 725.116(d) No personnel training record sec 725.132 No attempt to make arrangements with local authorities in case of an emergency.

NARRATIVE

sec. 725.152 No contingency plan sec 725.153 Contingency plan was not available at the site and local emergency organizations sec. 725.155 facility emergency Coordinator was not identified. sec 725.173 No operating record sec 725.174 all facility records required under 35 Ill. Adm Code 725 was not available for inspection sec 725.212 No closure plan sec 725.242 No financial assurance. sec 725.294 No inspections are done.

additional violation 725.175 - NO ANNUAL REPORT

TAM INDUSTRIES, INC.
CERMAK PLATING COMPANY DIVISION
4408 WEST CERMAK ROAD • CHICAGO, ILLINOIS 60623 • 312-762-2530

September 29, 1980

EPA Region V
RCRA Activities
P.O. Box 7861
Chicago, Illinois 60680

Gentlemen:

As far as I can tell we did not receive a packet from the EPA with information regarding Hazardous Waste Notification; therefore we did not file on time.

On September 18 I went to the EPA Seminar on handling of electroplating wastes. As a result of this meeting I applied for the necessary forms and am now sending them to you.

Sorry we are late.

Very truly yours,

TAM INDUSTRIES, INC.

Jack B. Cole
gt

Jack B. Cole
Plant Manager

JBC/gt

D. Corrective Action

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

HRE-8J

November 24, 1992

Mr. Clyde Wright
Pollution Control Manager
Alanson Manufacturing Company
4408 West Cermak Road
Chicago, IL 60623

Re: Visual Site Inspection
Alanson Manufacturing Company
(Tam Industries)
Chicago, Illinois
ILD 059 423 608

Dear Mr. Wright:

As indicated in the letter of introduction sent to you on December 5, 1991, the U.S. Environmental Protection Agency is enclosing a copy of the final Preliminary Assessment/Visual Site Inspection (PA/VSI) report for the referenced facility. The executive summary and conclusions and recommendations sections have been withheld as Enforcement Confidential.

If you have any questions, please call Francene Harris at (312) 886-2884.

Sincerely yours,

Kevin M. Pierard, Chief
Minnesota/Ohio Technical Enforcement Section
RCRA Enforcement Branch

U.S. Environmental Protection Agency
Office of Waste Programs Enforcement
Contract No. 68-W9-0006

TES 9

Technical Enforcement Support at Hazardous Waste Sites Zone III Regions 5,6, and 7

prc
PRC Environmental Management, Inc.

PRC Environmental Management, Inc.
233 North Michigan Avenue
Suite 1621
Chicago, IL 60601
312-856-8700
Fax 312-938-0118

PRELIMINARY ASSESSMENT/ VISUAL SITE INSPECTION

ALANSON MANUFACTURING COMPANY (TAM INDUSTRIES) CHICAGO, ILLINOIS ILD 059 423 608

FINAL REPORT

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460

Work Assignment No.	:	C05087
EPA Region	:	5
Site No.	:	ILD 059 423 608
Date Prepared	:	September 9, 1992
Contract No.	:	68-W9-0006
PRC No.	:	009-C05087IL3B
Prepared by	:	B&V Waste Science and Technology Corp. Joseph Gadomski
Contractor Project Manager	:	Shin Ahn
Telephone No.	:	(312) 856-8700
EPA Work Assignment Manager	:	Kevin Pierard
Telephone No.	:	(312) 886-4448

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EXECUTIVE SUMMARY

B&V Waste Science and Technology Corp. (BVWST) performed a preliminary assessment and visual site inspection (PA/VSI) to identify and assess the existence and likelihood of releases from solid waste management units (SWMUs) and other areas of concern (AOCs) at the Alanson Manufacturing Company (Alanson), a division of TAM Industries, facility in Chicago, Illinois. This summary highlights the results of the PA/VSI and the potential for releases of hazardous wastes or hazardous constituents from SWMUs and AOCs identified. In addition, a completed U.S. Environmental Protection Agency (EPA) Preliminary Assessment Form (EPA Form 2070-12) is included in Attachment A to assist in prioritization of RCRA facilities for corrective action.

Alanson manufactures zinc-plated carbon steel tubing for use as a primer shell in defense work. Alanson generates and manages electroplating sludge (F006) which contains EPA wastes D006, D007 and D008 (Alanson, 1980b and IEPA, 1987). The facility has operated at its current location since 1969. The facility occupies 15,500 square feet in a mixed-use area and employs approximately 20 people. Alanson is regulated under RCRA as a small-quantity generator facility.

The Alanson site was originally occupied by Standards Castings in 1926. This company manufactured sand castings operating until 1968 (Alanson, 1992a). Alanson began operations at the site in 1969 as a job shop and cadmium electroplating company from 1969 through 1979 (Alanson, 1986a). The facility ceased operations from 1979 to 1981. From 1981 to the present, Alanson has performed non-cyanide zinc electroplating (Alanson, 1992a).

The facility was originally listed as a generator, and as a treatment, storage, and disposal (TSD) facility on the 1980 RCRA Part A permit application (Alanson, 1980b). Alanson submitted a new Notification of Hazardous Waste Activity on January 22, 1986 (Alanson, 1986a). An updated RCRA Part A permit application was submitted following this notification to account for Alanson's change to small quantity generator status only (Alanson, 1986b). Alanson underwent closure procedures for a drum storage area (S01) and the final settling tank (S02). The closure plan for the drum storage area and final settling tank allowed the tank to be re-used following removal of cyanide sludge. Closure was completed on October 15, 1986 (Scientific Control Laboratories, Inc. 1986). Alanson presently operates as a small-quantity generator.

The PA/VSI identified the following seven SWMUs at the facility:

Solid Waste Management Units

1. Water Collection Tank and Sump
2. Wastewater Treatment System
3. Holding Tanks
4. Sludge Storage Tank
5. Final Sludge Dryer Location
6. Drum Storage Area
7. Dried Sludge Storage Location

The potential for release to groundwater of hazardous constituents is low for all SWMUs. The facility has a concrete floor with an epoxy coating on the portion of the floor under the plating unit and treatment system. Any release from a SWMU would most likely be contained by the concrete floor and collected by the water collection tank and sump (SWMU 1). A berm around the plating unit ensures that all spills go to SWMU 1. The floor on the east side of the facility is also five inches higher than SWMU 1 which ensures that spills are collected by this unit. There are no floor drains in the facility. Treated effluent is discharged to catch basin 1C, located north of the office, catch basin 1A, and then to the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). This effluent is monitored by the MWRDGC (Alanson, 1992e). The threat to groundwater is therefore minimal.

The potential for releases to surface water of hazardous constituents is also low for all SWMUs. This is due to controls within the facility as previously stated. Alanson is located 1.625 miles to the north and west of wetlands (U.S. Fish and Wildlife Service, 1980). The Chicago Sanitary and Ship Canal is located approximately two miles from the facility.

The potential for an air release of hazardous constituents is low for all SWMUs except, SWMU 5, which is moderate to low. SWMU 5 includes the final sludge drier. The unit is enclosed and is within the facility building. An air release may occur during the transfer of dried sludge to bags. It is not known if dried sludge can exit the dryer when it is in operation.

The potential for release of hazardous constituents to soils is low for all SWMUs. This is due to controls within the facility as previously stated. Access to the facility is restricted by a fence on the sides and in the back. Most of the facility is located indoors.

BVWST recommends the following actions for the Alanson Manufacturing Company. The area around SWMU 1 should be cleaned regularly. Another area that needs to be cleaned regularly is SWMU 5. It is also recommended that the emissions from the final dryer be analyzed to see if particulate (ash) matter

is adequately contained by the system. Our final recommendation is to see if the dried bags of sludge are the source of staining of the concrete floor in SWMU 7.

1.0 INTRODUCTION

PRC Environmental Management, Inc., (PRC) received Work Assignment No. C05087 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W9-0006 (TES 9) to conduct preliminary assessments (Pas) and visual site inspections (VSIs) of hazardous waste treatment and storage facilities in Region 5.

As part of the EPA Region 5 Environmental Priorities Initiative, the RCRA and CERCLA programs are working together to identify and address RCRA facilities that have a high priority for corrective action using applicable RCRA and CERCLA authorities. The PA/VSI is the first step in the process of prioritizing facilities for corrective action. Through the PA/VSI process, enough information is obtained to characterize a facility's actual or potential releases to the environment from solid waste management units (SWMUs) and areas of concern (AOCs).

A SWMU is defined as any discernible unit at a RCRA facility in which solid wastes have been placed and from which hazardous constituents might migrate, regardless of whether the unit was intended to manage solid or hazardous waste.

The SWMU definition includes the following:

- RCRA-regulated units, such as container storage areas, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators, and underground injection wells.
- Closed and abandoned units.
- Recycling units, wastewater treatment units, and other units that EPA has generally exempted from standards applicable to hazardous waste management units.
- Areas contaminated by routine and systematic releases of wastes or hazardous constituents. Such areas might include a wood preservative drippage area, a loading-unloading area, or an area where solvent used to wash large parts has continually dripped onto soils.

An AOC is defined as any area where a release to the environment of hazardous waste or constituents has occurred or is suspected to have occurred on a nonroutine and nonsystematic basis. This includes any area where such a release in the future is judged to be a strong possibility.

The purpose of the PA is as follows:

- Identify SWMUs and AOCs at the facility.
- Obtain information on the operational history of the facility.
- Obtain information on releases from any units at the facility.
- Identify data gaps and other informational needs to be filled during the VSI.

The PA generally includes review of all relevant documents and files located at state offices and at the EPA Region 5 office in Chicago.

The purpose of the VSI is as follows:

- Identify SWMUs and AOCs not discovered during the PA.
- Identify releases not discovered during the PA.
- Provide a specific description of the environmental setting.
- Provide information on release pathways and the potential for releases to each medium.
- Confirm information obtained during the PA regarding operations, SWMUs, AOCs, and releases.

The VSI includes interviewing appropriate facility staff, inspecting the entire facility to identify all SWMUs and AOCs, photographing all visible SWMUs, identifying evidence of releases, initially identifying potential sampling parameters and locations, if needed, and obtaining all information necessary to complete the PA/VSI report.

This report documents the results of a PA/VSI of the Alanson Manufacturing Company in Chicago, Illinois. The PA was completed on December 16, 1991. B&V Waste Science and Technology Corp. (BVWST) gathered and reviewed information from Illinois Environmental Protection Agency (IEPA), Federal Emergency Management Agency (FEMA), U.S. Geologic Survey (USGS) and from EPA Region 5 RCRA files. The VSI was conducted on December 17, 1991. It included interviews with facility representatives and a walk-through inspection of the facility. Seven SWMUs were identified at the facility.

BVWST completed EPA Form 2070-12 using information gathered during the PA/VSI. Attachment A includes this form. Attachment B summarizes the VSI and includes six inspection photographs. Attachment C includes field notes from the VSI.

2.0 FACILITY DESCRIPTION

This section describes the facility's location, past and present operations (including waste management practices), waste generating processes, history of documented releases, regulatory history, environmental setting, and receptors.

2.1 FACILITY LOCATION

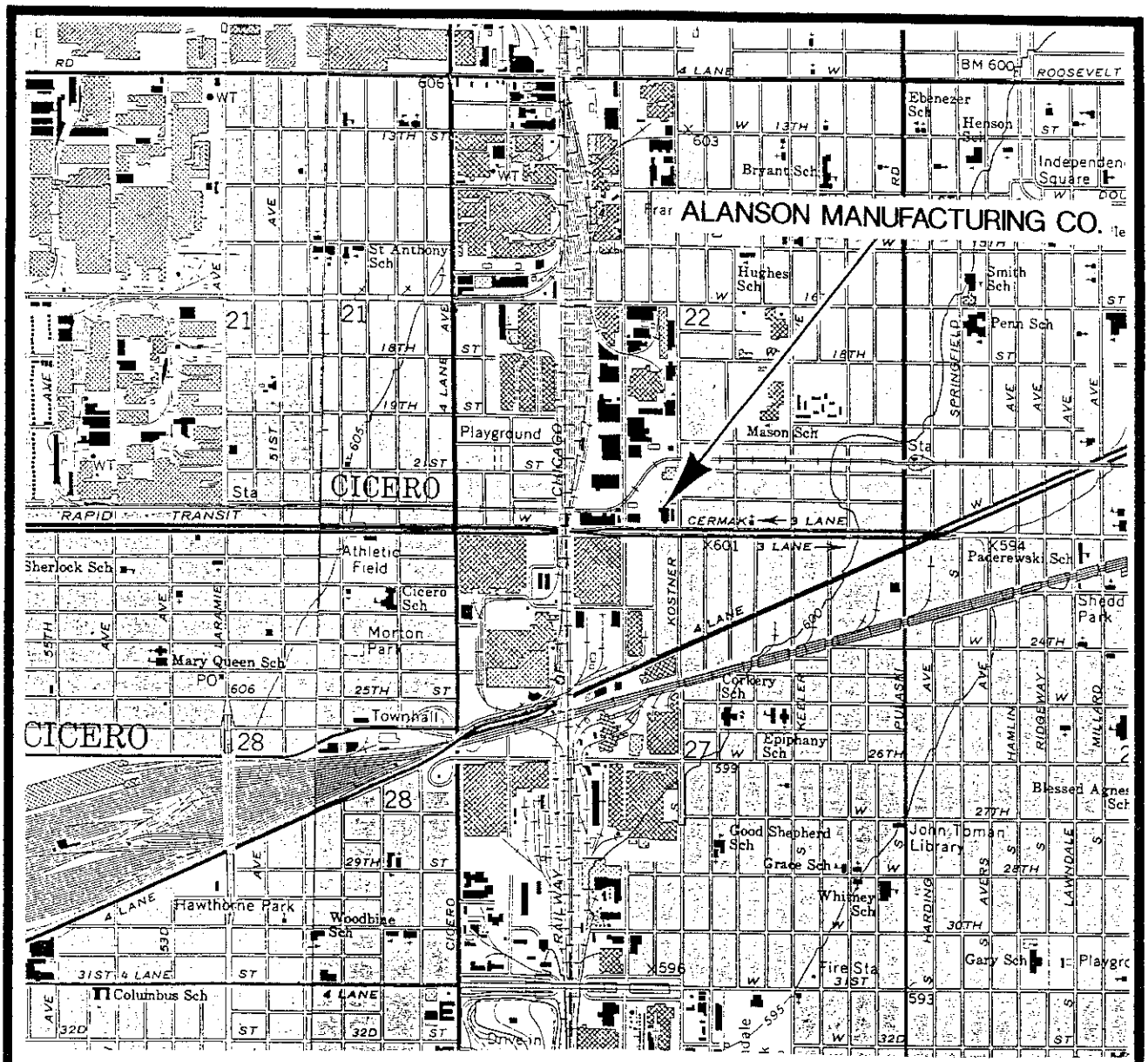
Alanson Manufacturing Company is located at 4408 West Cermak Road in Chicago, Cook County, Illinois (latitude 44° 51' 06" N and longitude 87° 44' 06" W), as shown in Figure 1. The facility consists of one building that has an area of 12,000 square feet. The facility, including some frontal property that is available for parking, occupies 15,500 square feet.

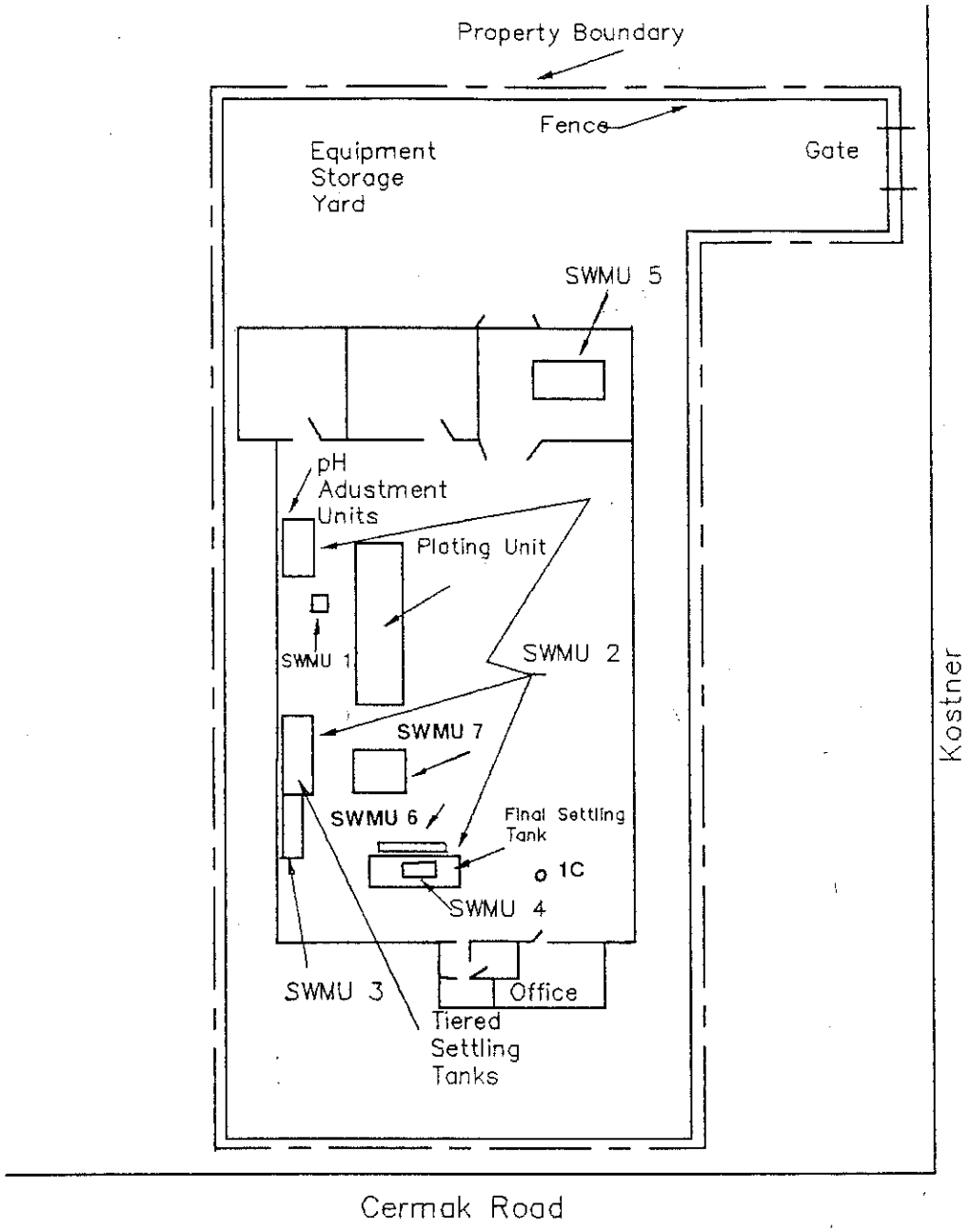
Alanson is bordered on the north by an empty construction yard, on the west by the U.S. Army 453rd National Guard Unit, on the south by Cermak Road, and on the east by Kostner Avenue (Alanson, 1992a).

2.2 FACILITY OPERATIONS

The Alanson Manufacturing Company operates a metal fabrication facility. Alanson performs secondary operations on metal tubing including non-cyanide zinc electroplating on carbon steel (Alanson, 1986a). The tubing is used in defense work as a primer shell (Alanson, 1992a). The facility began operations in 1969 and employs approximately 20 people (Alanson, 1991). From 1926 through 1968, Standard Castings manufactured sand castings at the facility (Alanson, 1992a). No other information was available. Alanson operated as a job shop and cadmium electroplating company from 1969 through 1979 (Alanson, 1986a). The facility was shut down from 1979 to 1981. From 1981 to the present, Alanson has performed non-cyanide zinc electroplating (Alanson, 1992a).

Facility SWMUs are identified in Table 1. The facility layout, including SWMUs, is shown in Figure 2.


ALANSON MANUFACTURING CO.
CICERO
SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER
CONTOUR INTERVAL 5 FEET
ILLINOIS
QUADRANGLE LOCATION
N
ENGLEWOOD, ILLINOIS
N4145-8737.5/7.5
SOURCE: USGS, 1980
ALANSON MANUFACTURING CO.
CHICAGO, ILLINOIS
PA/VSI
FIGURE 1
FACILITY LOCATION
SCIENCE AND TECHNOLOGY CORP.



N

ALANSON MANUFACTURING CO.
CHICAGO, ILLINOIS
PA/VSI

FIGURE 2
FACILITY LAYOUT

MAIN SCIENCE AND TECHNOLOGY CORP.

Source: Modified from Alanson Manufacturing Co., 1992

TABLE 1

SOLID WASTE MANAGEMENT UNITS (SWMUs)

SWMU Number	SWMU Name	RCRA Hazardous Waste Management Unit*	Status
1	Water Collection Tank and Sump	No	Active
2	Wastewater Treatment System	No	Active
3	Holding Tanks	No	Active
4	Sludge Storage Tank	Yes	Active; RCRA closed in 1986. Currently used for less than 90 day storage
5	Final Sludge Dryer Location	No	Active
6	Drum Storage Area	Yes	Inactive; RCRA closed in 1986
7	Dried Sludge Storage Location	No	Active

Note:

* A RCRA hazardous waste management unit is one that requires or formerly required submittal of a RCRA Part A or Part B permit application.

Alanson plates zinc onto carbon steel using a completely automated plating system. Tubing is first placed on racks, holding 11 pieces of tubing, by workers, and two racks are placed on an automated chain-driven transfer. This transfer is a constant run conveyor and carries the tubing through the 14-step plating process. The length of time each piece spends in a certain step is hydraulically run.

In the first step of the process, tubing is cleaned with an alkaline solution which has a pH of about 9.5-10.0. After the alkaline cleaning, the tubing undergoes a water rinse (step 2). A hydrochloric acid (HCl) dip is used in step 3 to remove superficial rust from the metal tubing. Another water rinse follows (step 4) and then zinc plating occurs (step 5). A series of water rinses takes place in steps 6 through 10 and then a dichromate dip is performed in step 11. Two more water rinses are performed in steps 12 and 13. The tubing is then carried by the conveyor to the gas fired dryer (step 14) for three minutes. After drying, the finished tubing is removed (Alanson, 1992d).

The plating unit is operated in a cascade process. Water is used in a downward process throughout the system. The cleanest water is in step 13, the beginning of the cascade, and the dirtiest water is in step 2, the end of the cascade. When the rinse water in step 2 becomes inadequate for rinsing, it is pumped to the pH adjusting tanks and is ready to undergo treatment. Water from step 4 is then transferred to step 2 and water from step 5 is transferred to step 4. This continues throughout the plating unit. When the water from step 13 is transferred to step 12, the step 13 rinse water tank receives clean rinse water. The water from step 13, after pH adjustment, is processed through a Culligan deionization unit to remove dichromate.

Step 1 utilizes an alkaline solution for cleaning. This solution is produced by adding a brown granular powder, Alkalizer 100, to the tank. This alkalizer is produced by Todco Chemical and is stored in drums which contain 100 pounds per drum. An air line is connected to the tank to provide air agitation for mixing of the alkalizer. Alanson adds enough of the alkalizer to produce a solution containing eight ounces/gallon (Alanson, 1991).

In step 3, a hydrochloric acid dip is used to remove superficial rust. The spent acid from step 3 is sent to a holding tank (SWMU 3) and is used for pH adjustment in the treatment process. New, unused acid is added to the plating unit approximately three times a year. The HCl is received and stored in 55-gallon drums. About seventy 55-gallon drums of HCl and NaOH are used per year for pH adjustment and the automatic plating unit.

Automatic Plating Unit	
Step	Unit Process
1	Alkaline cleaner
2	Rinse water
3	HCl
4	Rinse water
5	Plating - Zn anode Solid 99.9%
6	Rinse water
7	Rinse water
8	Rinse water
9	Rinse water
10	Rinse water
11	Dichromate dip
12	Rinse water
13	Rinse water
14	Gas fired dryer

The deionization unit is maintained solely by Culligan. They remove the unit and replace the resin when all the active sites are occupied (Alanson, 1991).

2.3 WASTE GENERATING PROCESSES

The primary waste stream generated at Alanson Manufacturing Company is electroplating sludge (F006) containing cadmium (D006) and lead (D008) (Alanson, 1986b). This waste is generated during the plating of zinc chloride onto carbon steel tubing. Wastes generated at the facility are summarized in Table 2. The generation of waste is variable since Alanson operates on an inconsistent schedule (on average, one day per week). Operations may also vary from three times per week to once every three weeks. Alanson's last disposal of dried sludge consisted of one cubic yard (Alanson, 1992a). The last disposal to be documented by an IEPA Uniform Hazardous Waste Manifest was in 1991. This manifest was for 2 cubic yards of EPA Hazardous Waste D006 generated during 1991 and was transported by Mr. Frank, Inc. to Envirite in Harvey, Illinois (IEPA, 1991).

TABLE 2

SOLID WASTES

Waste/EPA Waste Code	Source	Primary Management Unit*
Plating Effluent	Plating Rinse Water	1, 2
Electroplating Sludge (F006, D006, D008)	Plating Unit	2, 4, 5, 6, 7
Spent Acid (D006, D007, D008)	Plating Unit	2, 3

Notes:

* Primary management unit refers to a SWMU that manages or formerly managed the waste.

Uniform Hazardous Waste Manifests were also provided for 1986, 1988 and 1990. In 1986, 220 gallons of EPA Hazardous Waste D007 was transported by Chemical Waste Management to CID in Calumet City, Illinois (IEPA, 1986b). In 1988, one cubic yard of EPA Hazardous Waste D006 was transported by E&K Hazardous Waste Service to Fondessy Enterprises, Inc. in Oregon, Ohio (IEPA, 1988). In 1990, 440gallons of EPA Hazardous Waste D006 were transported by E&K Hazardous Waste Service to Envirosafe Services of Ohio in Oregon, Ohio (IEPA, 1990).

2.4 HISTORY OF DOCUMENTED RELEASES

This section discusses the history of documented releases to groundwater, surface water, air, and on-site soils at the Alanson facility.

In 1978, Alanson had a spill of 400 gallons of hydrochloric acid within the facility building. The spill was contained and the acid collected with buckets and hoses. The acid was put in drums and then put into the treatment system for pH adjustment. Some of the acid leaked out of the building but was collected, contained, and treated to adjust the pH to neutral. The spill was not reported. It was controlled internally by Alanson (Alanson, 1992a).

2.5 REGULATORY HISTORY

Alanson Manufacturing Company presently operates as a small quantity generator. The facility submitted a RCRA Notification of Hazardous Waste Activity to EPA on September 29, 1980 (Alanson, 1980a). This notification classified Alanson as a generator and a treatment, storage and disposal (TSD) facility. Alanson submitted a RCRA Part A Permit Application on November 18, 1980 (Alanson, 1980b). Process codes and waste capacities were not included on the copies received from the EPA.

The storage of drums containing electroplating sludge prompted the pollution manager in 1980 to initially list Alanson as a TSD facility on the 1980 Notification of Hazardous Waste Activity. Prior to 1980, Alanson operated as an electroplater and job shop. The electroplater was shut down in 1981 and ceased operations while still possessing 20 drums of electroplating sludge. Alanson did not have sufficient funds to have the waste transported, so it remained at the facility for one year. The storage prompted IEPA to require that Alanson initiate closure procedures for Alanson as a TSD (Alanson, 1992b).

An analysis of the electroplating sludge was performed by Scientific Control Laboratories, Inc., and reported on October 12, 1985 (Scientific Control laboratories, Inc., 1985). The sample was leached in

accordance with 40 CFR, Part 261, Appendix II and contained two metals that exceeded Toxicity Characteristic Leaching Procedure (TCLP) limits. These metals were cadmium, with a concentration of 7 parts per million ppm (TCLP limit 1 ppm); and chromium, with a concentration of 9 ppm (TCLP limit 5 ppm). Total cyanide was present at a concentration of 45 ppm. When Alanson was able to have the drums transported, they were taken to an Alabama facility under Manifest #162827 (Alabama) (IEPA, 1985a). Transport to Alabama was necessary because the drummed sludge contained high concentrations of cyanide from previous plating operations (Alanson, 1992b).

A RCRA inspection of Alanson was performed on November 4, 1985 (IEPA, 1985a). The report listed Alanson as a generator and confirmed the discontinued use of cyanide in their plating operations. The report cites one manifest, #162827 (Alabama, 2-12-85), for 825 gallons of sludge with waste codes D006 and D008. The report also stated that one waste stream was generated [electroplating sludge (F006, D007 and D006), which was stored in a tank]. Violations cited in this report included no waste analysis plan; no inspection of the facility by the operator for malfunction, deterioration, operator errors, and discharge of hazardous waste; and no closure plan.

Following the RCRA inspection of November 4, 1985, Alanson decided its classification as a TSD facility in 1980 was incorrect. Alanson believed the facility should properly be classified as a small-quantity generator (waste generation of $< 1{,}000$ kg/month). The USEPA communicated to Alanson that a new RCRA Part A Permit Application must be obtained to change the facility's status (Alanson, 1986c). Alanson proceeded with the submittal of a Notification of Hazardous Waste Activity on January 22, 1986 (Alanson, 1986a), which listed Alanson as a small-quantity generator. An updated RCRA Part A Permit Application was also submitted on February 14, 1986 (Alanson, 1986b). This application listed process codes for container storage (S01) capacity of 440 gallons of F006, D006 and D008; and tank storage (S01) capacity of 385 gallons of F006, D006 and D008.

On February 27, 1986, a closure plan was submitted to IEPA by Scientific Control Laboratories, a consultant to Alanson, for a drum storage area (S01) (SWMU 6) and a hazardous waste storage facility storage tank (S02) (SWMU 4) at Alanson (Scientific Control Laboratories, Inc., 1986). The closure was required by IEPA due to storage of drums containing electroplating sludge with EPA wastes F006, D006, and D008 (Alanson, 1992b). This waste was contained in 18, 55-gallon drums (total volume of 825 gallons) and disposed of at a Chemical Waste Management facility in Emelle, Alabama (EPA #ALD 000622464). The closure plan also accounted for the hazardous waste storage tank. This plan stated that once it had been determined that the tank had been satisfactorily cleaned and the closure plan had been completed, the tank would be put back into service as a storage tank for newly generated hazardous waste. This tank is

presently used as the final settling tank as part of the wastewater treatment system (SWMU 2) for wastewater from the automatic plating unit. IEPA reviewed the proposed closure plan submitted by Scientific Control Laboratories, Inc., and approved it, subject to several conditions (IEPA, 1986a).

The IEPA inspection report conducted on January 15, 1987, stated that closure for S01 and S02 was completed on October 31, 1986. Alanson was also classified in the report as a small-quantity generator (IEPA, 1987).

2.6 ENVIRONMENTAL SETTING

This section describes the climate, flood plain and surface water, geology and soils, and ground water near the Alanson Manufacturing Company.

2.6.1 Climate

The climate of Illinois is classified as the humid continental type. The annual average daily maximum temperature is 58.7°F. The average daily minimum temperature is 39.7°F. The average annual precipitation is 33.3 inches. The greatest 24-hour rainfall was 9.35 inches in August 1987. The average snowfall is 38.2 inches (NWB, 1991). The prevailing wind is from the west in the winter, from the west and south-southwest in the summer, and from the south-southwest in the fall (Ruffner and Bair, 1977). The average wind speed is 10.3 mph. The mean annual lake evaporation is about 32 inches (IEPA, 1976).

2.6.2 Flood Plain and Surface Water

The facility is outside the 500-year floodplain, according to the Flood Insurance Rate Map series produced by the Federal Emergency Management Agency (FEMA, 1991).

The nearest surface water bodies are wetlands located 1.625 miles to the east (Douglas Park) and 1.625 miles to the south of the facility (U.S. Fish and Wildlife Service, 1980).

The site, as well as most of the surrounding urban area, has a paved surface. Surface water drainage at the site is collected by the combined sewer system of the MWRDGC.

2.6.3 Geology and Soils

Soil at the Alanson Manufacturing facility in this part of Cook County is classified as Urban Land-Milford in a regional soil map (USDA, 1979). The area consists of built-up areas and nearly level, poorly drained soils formed in weathered glacial till (USDA, 1979).

Geology at the site is expected to be comprised of an unknown thickness of glacial deposits (lake-deposited clay, till outwash) over Paleozoic sedimentary rock units. No site-specific information on the stratigraphy is available. However, a detailed statewide study by Berg and Kempton (1988) provides regional three-dimensional mapping of geologic materials to a depth of 50 feet. Their map suggests that the Alanson facility vicinity is underlain by at least 50 feet of silty and clayey material. Berg and others (1984) rank aquifers in this vicinity with a low susceptibility to surface contamination because of fairly uniform till to a depth of at least 20 feet.

Bedrock in the area is expected to be Silurian dolomite. The depth to bedrock, based on the mapping of Berg and Kempton (1988), is at least 50 feet.

2.6.4 Groundwater

In northeastern Illinois, groundwater for public and industrial use is or has been obtained from four different water-producing zones within the geologic succession. The first zone is the groundwater occurring within the unconsolidated Pleistocene sediments. The second zone is an interval of shallow bedrock units, which are generated in contact with the Pleistocene sediments. The third and fourth zones are two deeper intervals of water-producing rock units. Hughes, et al., (1966) discuss the character of each of the four zones, their hydrologic properties and the location of their recharge zones. Virtually all wells producing municipal or industrial water within the Greater Chicago area pump from one or both of the deep bedrock aquifer zones.

The shallow bedrock zone in northeastern Illinois underlies the glacial sediments and is mainly comprised of Silurian dolomite. The upper boundary of this zone is the erosional surface of the bedrock, which is commonly obscured by glacial sediments. The lower boundary is the upper Ordovician Maquoketa Shale. Water produced from the dolomite is obtained from fractures and solution openings (Hughes et al., 1966). The shallow bedrock aquifer zone receives some recharge locally from precipitation (Hughes et al., 1966).

The deep bedrock aquifer zones include the Cambrian-Ordovician aquifer and the Mt. Simon aquifer (Hughes et al., 1966). The Cambrian-Ordovician aquifer contains two major zones, the Glenwood St. Peter aquifer and the Ironton-Galesville aquifer. The top of the Cambrian-Ordovician zone is the Galena-Platteville Dolomite. The Glenwood-St. Peter aquifer is widely used where water requirements are less than 200 gallons per minute (gpm). This unit has a hydraulic conductivity between 9 and 15 gallons per day per square foot (gpd/sq. ft.). Recharge to the deep bedrock aquifers is mostly from west and north of the six county metropolitan area, where rocks crop out at the surface or lie immediately below the glacial drift. Minor recharge occurs as leakage through the shallow bedrock aquifer system.

The Mt. Simon aquifer is bounded above by the relatively impermeable shales and siltones of the upper and middle Eau Claire Formation and below by pre-Cambrian basement rock. The average hydraulic conductivity of this aquifer is 16 gpd/sq. ft. (Hughes et al., 1966) and recharge is largely from the outcrop region of Cambrian rocks in south-central Wisconsin (Willman, 1971).

2.7 RECEPTORS

Alanson Manufacturing Co. occupies 15,500 square feet in a mixed use area in Chicago, Illinois. The Chicagoland area has a population of about eight million.

The Alanson facility is bordered on the north by an empty construction yard, on the west by the U.S. Army 453rd National Guard unit, on the south by Cermak Road, and on the east by Kostner Avenue. The nearest school, Mason School, is about one-quarter mile northeast of the facility. Facility access is controlled by a fence around the sides and back of the property. The front is not fenced in, but access to the facility is through the building only.

Sensitive environments are not located on site. The nearest surface water bodies are wetlands as classified by the National Wetlands Inventory (U.S. Fish and Wildlife Service, 1980). The first group of wetlands are found 1.625 miles east of the facility in Douglas Park and is a palustrine wetland area. The largest area is about 0.04 square miles and consists of excavated, permanently flooded, open water (U.S. Fish and Wildlife Service, 1980). Two other smaller areas, which are also palustrine, exist in the park and consist of emergent, unknown and forested, broad-leaved deciduous, temporarily flooded areas.

Approximately 1.625 miles south of Alanson are two wetland areas. The first, which is 0.008 square miles, is palustrine, emergent, semi-permanently flooded and diked or impounded. The second area, which is very small, is palustrine, emergent, seasonably flooded and excavated (U.S. Fish and Wildlife Service,

1980). Other surface water bodies include the Chicago Sanitary and Ship Canal and Lake Michigan. The Chicago Sanitary and Ship Canal is two miles south of the facility and is used for industrial purposes. Lake Michigan lies six miles east of the facility and is used for drinking water and recreation.

3.0 SOLID WASTE MANAGEMENT UNITS

This section describes the seven SWMUs identified during the PA/VSI. The following information is presented for each SWMU: description of the unit, dates of operation, wastes managed, release controls, history of documented releases, and PRC observations.

SWMU 1	**Water Collection Tank and Sump**
Unit Description:	The water collection tank and sump is a 24 cubic foot, below grade concrete tank used to collect effluent from the plating unit, any overflow from the automatic plating unit, and all water that drains from the floor of the facility. All water or solutions that get onto the floor are collected in this tank and pumped to the pH adjusting tanks (Photograph No. 1).
Date of Startup:	The unit began operation in 1969.
Date of Closure:	The unit is active.
Wastes Managed:	The unit manages wastewater and solutions from the plating process that contain EPA wastes F006, D006, D008 and D007. Wastes from this unit are pumped to the pH adjustment tanks for treatment.
Release Controls:	This unit is located indoors and is constructed of concrete. There are no other release controls.
History of Documented Releases:	No releases from this unit have been documented.
Observations:	The unit appeared to be filled to capacity during the VSI. The water level was near the top of the water collection tank, which had no cover or guard over it. The floor area around the top of the unit was soiled and discolored.

SWMU 2	**Wastewater Treatment System**
Unit Description:	The wastewater treatment system consists of two pH adjustment tanks (Photograph No. 2), and a three-tiered series of settling tanks (Photograph No. 3), followed by a final settling tank which used to be SWMU 4 (Photograph No. 4). Water from the plating unit is collected in SWMU 1. From this unit, the water is pumped to the first pH adjusting tank. This tank is made of three-quarter inch polypropylene and has a volume of 450 gallons. The treatment system operates in counter flow (overflow) such that water overflows to the next step. The second pH adjusting tank is composed of three-quarter inch polypropylene and has a volume of 700 gallons. Water is pumped from the second stage pH adjustment tank to the tiered settling units. These units are made of one-half inch steel reinforced polypropylene and have a total volume of 2,800 gallons. Water from this unit is pumped to the final settling tank, which is made of steel and has a volume of 3,000 gallons. Sludge from the tiered settling tanks and final settling tank is pumped or shoveled into the sludge storage tank (SWMU 4), which is mounted above the final setting tank and is used to dewater the sludge. Water from the final settling tank is discharged to the Metropolitan Sanitary District of Chicago (MSD) sewer system.
Date of Startup:	This unit began operation is 1969.
Date of Closure:	The final settling tank (S02) (SWMU 4) underwent closure procedures in 1986. Provisions in the closure plan allowed the tank to remain active for use as part of the wastewater treatment system.
Wastes Managed:	The unit manages wastewater from the plating process that contains EPA wastes F006, D006, D008 and D007.
Release Controls:	The active treatment system is constructed on a concrete floor with two-part epoxy paint. The tiered settling tanks are also steel reinforced. If a

leak or rupture were to occur, all solutions and water would go to the sump (SWMU 1) and would be pumped to the treatment system.

History of Documented Releases: No releases from this SWMU have been documented.

Observations: The integrity of the unit appeared to be good. There were some visible signs of leaking or spills on the floor between SWMU 1 and the pH adjustment tanks (Photograph No. 1). It did not appear to be more than a gallon and would be collected by SWMU 1.

SWMU 3 **Holding Tanks**

Unit Description: Two holding tanks (Photograph No. 3) are used for retaining spent acid and caustics. These units are made of one-half inch, steel reinforced polypropylene and each has a volume of 500 to 550 gallons. When the acid rinse of the plating unit is ineffective, the acid is sent to the holding tanks. New acid is placed in the rinse tank and the spent acid is meter flowed to the treatment system. This spent acid is no longer good for rinsing because it contains a high zinc and iron content from rinsing.

Date of Startup: This unit began operation in 1989.

Date of Closure: The unit is active.

Wastes Managed: The unit manages spent acid that contains EPA wastes F006, D006, D007 and D008. Wastes from this unit are ultimately treated in SWMU 2.

Release Controls: The holding tanks are situated above a two-part epoxy painted concrete floor. Any leaks or ruptures of the tanks would be managed by the sump (SWMU 1).

History of Documented Releases: No releases from this SWMU have been documented.

Observations:	This unit was observed during normal operation without incident. There was no visual evidence of releases. The volume of spent acid in the tanks during the VSI is not known.
SWMU 4	**Sludge Storage Tank**
Unit Description:	The old sludge storage tank is now part of the wastewater treatment system (SWMU 2) and was described earlier as the final settling tank.
Date of Startup:	Unknown
Date of Closure:	This unit was RCRA closed in 1986 and then used as part of the wastewater treatment system.
Wastes Managed:	The unit manages electroplating sludge, classified as EPA waste F006. This sludge also contains EPA wastes D006, D007, and D008.
Release Controls:	SWMU 1 would collect any spill or release from this unit if one would occur.
History of Documented Releases:	No release from this SWMU has been documented.
Observations:	The unit is presently used as the final settling tank.
SWMU 5	**Final Sludge Dryer Location Area**
Unit Description:	The final dryer is flame fired and consists of a stainless steel double-walled drum with perforations enclosed by an outside casing of sheet metal. This unit operates like a clothes dryer by blowing hot air into the inner drum containing the sludge. The water is evaporated so that the sludge volume is reduced by two to three times its original volume. Dried sludge is collected into bags and stored at SWMU 7.

Date of Startup:	The unit began operation in 1989.
Date of Closure:	The unit is active.
Wastes Managed:	The unit manages electroplating sludge (F006) that contains EPA wastes D006, D007, and D008.
Release Controls:	If sludge falls to the floor, it is sweeped up and placed in the drum.
History of Documented Releases:	None
Observations:	The unit was not running during the VSI. It had visible rust and a spill in front of the unit. This was assumed to be sludge because it was under the buckets used to load the sludge.
SWMU 6	**Drum Storage Area**
Unit Description:	This area formerly contained 18, 55-gallon drums of electroplating sludge containing EPA wastes F006, D006 and D008.
Date of Startup:	Unknown
Date of Closure:	October 15, 1986.
Wastes Managed:	This unit managed electroplating sludge, classified as EPA waste F006. This sludge also contained EPA wastes D006 and D008.
Release Controls:	No release controls.
History of Documented Releases:	No release from this SWMU has been documented.
Observations:	The area presently contains a shelving unit which holds cartons of tubing.

SWMU 7	**Dried Sludge Storage Location**
Unit Description:	The area, located in front of the spent acid holding tanks, contains pallets upon which the bags of dried sludge are placed. These pallets measure 4x4 feet and up to four may be placed on the floor area at one time. The area may also hold a total of twelve pallets if they are stacked three high (Alanson, 1992f).
Date of Startup:	Unknown.
Date of Closure:	The unit is active.
Wastes Managed:	The unit manages dried electroplating sludge (F006). This sludge contains EPA wastes D006, D007, and D008.
Release Controls:	The area is indoors and on a concrete floor which drains to SWMU1. There are no other release controls.
History of Documented Releases:	No release from this SWMU has been documented.
Observations:	The area had visible staining as demonstrated in Photograph No. 6.

4.0 AREAS OF CONCERN

No areas of concern were identified during the PA/VSI. The facility has containment and release controls to collect spills and potential releases from daily operations.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The PA/VSI identified seven SWMUs at the Alanson Manufacturing Company facility. Section 2 presents background information on the facility's location, operations, waste generating processes, release history, regulatory history, environmental setting, and receptors. Section 3.0 presents SWMU-specific information, such as the unit's description, dates of operation, wastes managed, release controls, history of documented releases, and observed condition. Section 4.0 discusses AOCs. BVWST's conclusions and recommendations for each SWMU follow. Table 3 summarizes the SWMUs at the Alanson facility and recommended further actions.

SWMU 1 **Water Collection Tank (Sump)**

Conclusion: Based on the construction of the sump, as previously stated, there is a low potential for a release to the soil, groundwater and surface water. A release to the air is also low to none since volatiles are not used.

Recommendation: Area around the tank should be routinely cleaned.

SWMU 2 **Wastewater Treatment System**

Conclusions: The potential for a release to the soil, groundwater and surface water is low. This is due to release controls such as the sump and construction of the concrete floor. A potential release to the air is also low. This is because acids are the only potential candidates for release to the air. Analyses of the final effluent are also in compliance reports of the MWRDGC.

Recommendation: No further action is suggested.

TABLE 3

SWMU SUMMARY

SWMU	Dates of Operation	Evidence of Release	Recommended Further Action
1. Water Collection Tank	1969 to Present	The floor area around the top of the unit was soiled and discolored	Clean Area Around Tank
2. Wastewater Treatment System	1969 to Present	None	No Further Action
3. Holding Tanks	1989 to Present	None	No Further Action
4. Sludge Dryer	Unknown to Present	None	No Further Action
5. Final Dryer	1989 to Present	Visible rust and a spill were present in front of the unit. The spill was assumed to be sludge since it was under the buckets used to load the sludge	Clean Area and Check for Releases
6. Drum Storage Area	Unknown to Present	None	No Further Action
7. Dried Sludge Storage Location	Unknown to Present	Visible staining was present on the floor	Check Bags for Release

SWMU 3 **Holding Tanks**

Conclusion: There is a low potential for a release of hazardous constituents to the air, soil, groundwater or surface water. This is due to release controls within the facility.

Recommendation: No further action is suggested.

SWMU 4 **Storage Tank**

Conclusion: Release controls within the facility make the potential for a release of hazardous constituents to the air, soil, groundwater, or surface water low.

Recommendation: No further action is suggested.

SWMU 5 **Final Sludge Dryer Location**

Conclusion: Emissions from the final sludge dryer poses a low to moderate threat to the air. Potential releases to the soil, groundwater, and surface water is low due to release controls.

Recommendation: Emissions from the final dryer should be analyzed to see if particulate (ash) matter is adequately contained by the system.

SWMU 6 **Drum Storage Area**

Conclusions: Area was RCRA closed in 1986 and presently contains a shelving unit.

Recommendation: No further action is suggested.

SWMU 7 **Dried Sludge Storage Location**

Conclusions: The area has a low potential for release to the soil, groundwater, and surface water. A potential release to the air is low to none provided the bags of dried sludge are not open.

Recommendation: The area had visible staining that may be derived from the bags of dried sludge. This should be investigated, and routine cleaning of the area should become standard practice.

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ATTACHMENT A

EPA PRELIMINARY ASSESSMENT FORM 2070-12

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD 059423608

II. SITE NAME AND LOCATION

01 SITE NAME *(Legal, common, or descriptive name of site)*	02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER				
Alanson Manufacturing Company	4408 W. Cermak Road				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Chicago	IL	60623	Cook		
09 COORDINATES: LATITUDE 44° 51' 006"	**LONGITUDE** 87° 44' 006"				

10 DIRECTIONS TO SITE *(Starting from nearest public road)*
The site is located approximately 50 feet west of the intersection of Cermak Road and Kostner Avenue.

III. RESPONSIBLE PARTIES

01 OWNER *(If known)*	02 STREET *(Business, mailing residential)*		
Alan Tamburrino	4408 W. Cermak Road		
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**
Chicago	IL	60623	(312) 762-2530
07 OPERATOR *(If known and different from owner)*	**08 STREET** *(Business, mailing, residential)*		
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**

13 TYPE OF OWNERSHIP *(Check one)*
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency Name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ (Specify) ☐ G. UNKNOWN

14. OWNER/OPERATOR NOTIFICATION ON FILE *(Check all that apply)*
☐ A. RCRA 3010 DATE RECEIVED: 09/29/80 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE *(CERCLA 103 c)* DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES ☐ NO DATE _____
BY *(Check all that apply)*
☐ A. EPA ☒ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): B&V Waste Science and Technology Corp.

02 SITE STATUS *(Check one)*	03 YEARS OF OPERATION
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	1969 (BEGINNING YEAR) Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Alanson Manufacturing Company generates and manages electroplating sludge (F006) which contains EPA wastes D006 (cadmium), D007 (chromium) and D008 (lead).

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
There is a low potential for a release of hazardous constituents to the air, water and soil environments.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION *(Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents.)*
☐ A. HIGH *(Inspection required promptly)* ☐ B. MEDIUM *(Inspection required)* ☒ C. LOW *(Inspect on time-available basis)* ☐ D. NONE *(No further action needed; complete current disposition form)*

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF *(Agency/Organization)*			03 TELEPHONE NUMBER
Kevin Pierard	U.S. EPA			(312) 886-4448
04 PERSON RESPONSIBLE FOR ASSESSMENT	**05 AGENCY**	**06 ORGANIZATION**	**07 TELEPHONE NUMBER**	**08 DATE**
Joe Gadomski/Eric Turnquest		BVWST	312-346-3775	12-17-91 (MONTH DAY YEAR)

ATTACHMENT B

VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPHS

VISUAL SITE INSPECTION SUMMARY

Alanson Manufacturing Company
Chicago, Illinois
ILD 059 423 608

Date:	December 17, 1991
Facility Representatives:	Alan Tamburrino, President Clyde Wright, Pollution Control Manager
Inspection Team:	Joseph Gadomski, B&V Waste Science and Technology Corp. Eric Turnquest, B&V Waste Science and Technology Corp.
Photographer:	Eric Turnquest
Weather Conditions:	Clear and sunny, temperature approximately 40°F.
Summary of Activities:	The visual site inspection (VSI) of the Alanson Manufacturing Company began at 9:00 a.m. with an introductory meeting. The purpose of the VSI and RCRA facility assessment was discussed. Mr. Tamburrino explained the electroplating process and facility layout. The walking tour of the facility began at 9:30 a.m. at the Water Collection Tank (SWMU 1) and proceeded through the entire process, concluding at the Dried Sludge Storage Location (SWMU7). All SWMUs were inspected and photographed during the walk-through. The VSI concluded at approximately 10:30 a.m.

Photograph No. 1
Orientation: North
Description: Water Collection Tank

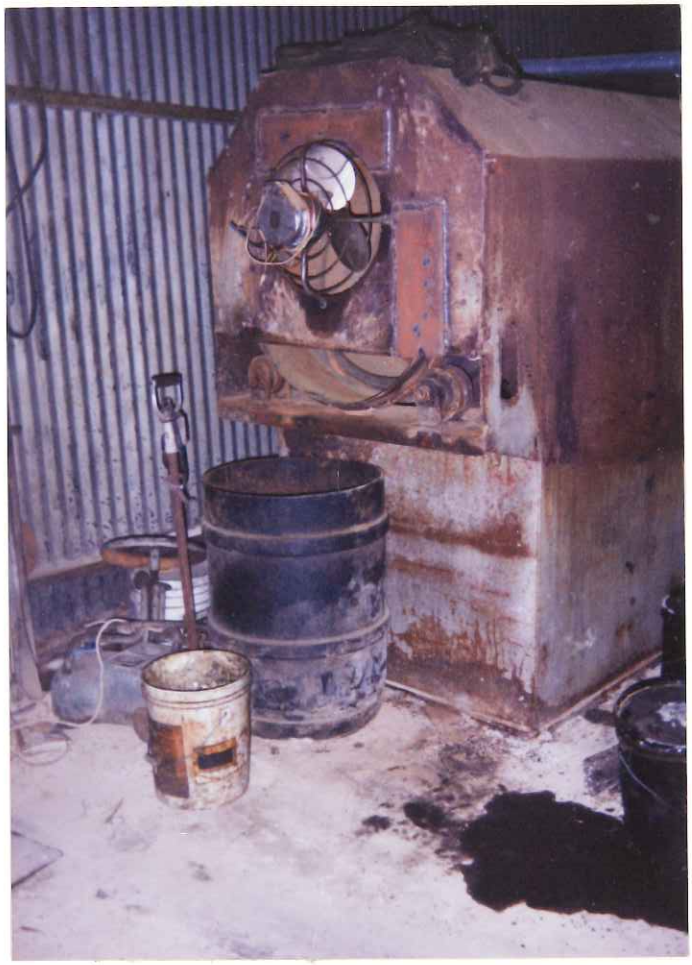
Location: SWMU 1
Date: 12/17/91

Photograph No. 2
Orientation: South
Description: pH Adjustment Tanks

Location: SWMU 2
Date: 12/17/91

Photograph No. 3 Location: SWMUs 2 and 3
Orientation: Northwest Date: 12/17/91
Description: Three Settling Basins (treatment system) and Holding Tanks

Photograph No. 4 Location: SWMUs 2 and 4
Orientation: East Date: 12/17/91
Description: Final Settling Tank and Sludge Storage Tank (treatment system)



Photograph No. 5
Orientation: Northeast
Description: Final Sludge Dryer

Location: SWMU 5
Date: 12/17/91

Photograph No. 6
Orientation: West
Description: Dried Sludge Storage Location

Location: SWMU 7
Date: 12/17/91

ATTACHMENT C

VISUAL SITE INSPECTION FIELD NOTES

ALANSON MANUFACTURING COMPANY
4408 West Cermak Road
Chicago, Illinois 60623

ALAN C. TAMBURRINO
PRESIDENT
(312) 762-2530

Phone

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DT-0659

Projects

T.A.M. Industries,
Alanson Manufacturing Co.

4408 W. Cermak Rd.
Chicago IL 60623

ILD 059 423 608

12/17/91 9 a.m.

Joe Gadomski - Bldg BUWST

Eric Turnquest - photos

Clyde Wright (312) 762-2530
Pollution Control Manager
Alanson Manufacturing Co.

Alan Tamburrino
Contact / President

ELAN Publishing Co., Inc.
Meredith, N.H. 03253

Projects (continued)

Request
Sample / Data Reports
Site Map
Air, NPDES permits
Annual Generator Reports
Env. Assessment Reports
Correspondence
Manifests

Status
Gen. SQG
Treat
Storage
Disposal

ID and Review solid waste streams.
Note actual and potential
releases of haz waste

Josef Yadomski [illegible] (1)

12/17/97

Weather - Sunny
9 a.m.
1969 - as electroplater
shop till 1981

1981 - changed to manufacturer
and plater of steel tubing

1 Full Plating automatic
$ZnCl_2$

1) Alkaline Cleaner
2) Rinse - water
3) HCl
~~Steel tubing - plate inside~~

4) Rinse H_2O
5) Plating Zn anode solid
99.9%

6) Rinse H_2O
7) Rinse H_2O
8) "
9) "
10) "

JB

(2)

JGS

11) Dichromate Dip
12) Rinse H_2O
13) Rinse

2,4 6-10 cascade down
10 becomes 9
8 " 7
4 becomes 2
6 becomes 4

14) 2 becomes pH adjusted
15) and then settling

13, 14 are processed in Culligan DI water removing Chrome

After settling water goes to discharge (sewer system)

Sludge is stored less than 90 days

Dried in a filter press

JGS

(3)

JGS.

Class fired as 5 day which states

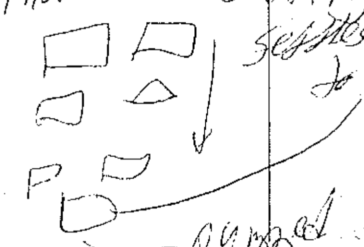
Generator report filed in 1986

Went through closure due to error in report
Had to file for closure

Photo 1
2' x 3' x 3' drain collecting tank for whole facility
pumped to pH goes to treatment

Photo 2 pH adjustment tank

Photo 3 Settling tanks
settles down to final tank



pumped to photo 4
Joe Gallmeier

(4)

Photo 4 final Settling tank and 1st driers for sludge

From final tank to first set of driers

Take sludge out of ~~first~~ settling tank to next settler with buckets

Water drips from first drier to final settling tank

Photo 5 Drum Collection of final drier sludge

Photo 6 Sludge storage in bags

GCY

(5)

20 employees

7am. - 4pm.

When Operating MWD will monitor sewer water C.

No permits (NPDES, etc)

Borders

North - Eight X Yard Construction

South - Cermak Rd.

East - Hosher Ave

West - Nat'l Guard Unit

J. Z.